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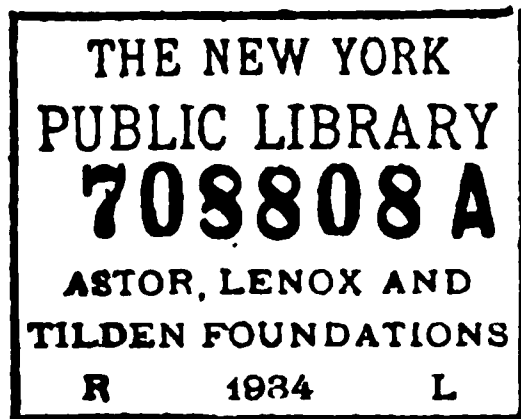




TWENTY-FOURTH  
ANNUAL REPORT  
OF THE  
DEPARTMENT OF DOCKS  
FOR THE YEAR ENDING APRIL 30, 1894.

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NEW YORK:  
MARTIN B. BROWN, PRINTER AND STATIONER,  
Nos. 49 TO 57 PARK PLACE.  
1894.



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1934  
VIA RAIL

*iments of Commissioners*  
**Department of Docks.**

T.

----- OF DOCKS,  
**PIER "A," BATTERY PLACE, NORTH RIVER,** }  
**NEW YORK, April 30, 1894.**

*To the Honorable* **THOMAS F. GILROY,**  
*Mayor of the City of New York:*

**SIR—**The Department of Docks, in pursuance of section 719 of chapter 410, Laws of 1882, has the honor to present its Annual Report for the year commencing May 1, 1893, and ending April 30, 1894, containing :  
"1st. The name, occupation and compensation of all persons appointed and employed by said Department. 2d. A statement of the action of the Board for the past year, classified with reference to the various subjects and duties which have engaged the attention of the Board. 3d. A list of the orders and rules made by said Board, and a description of the contracts made by said Department, the payments made by said Department and the purposes and amounts thereof; and the leases made by said Department, for what term, at what rent, to whom and for what property."

Very respectfully,

J. SERGEANT CRAM, }  
JAMES J. PHELAN, } *Commissioners.*  
ANDREW J. WHITE, }

**AUGUSTUS T. DOCHARTY,**  
*Secretary.*



## FIRST.

The following is a list of all persons appointed and employed by the Board, showing the name, occupation and compensation of each, respectively :

*Commissioners' Office.*

NAME.	POSITION.	RESIDENCE.	SALARY.
J. SERGEANT CRAM.....	Commissioner ( <i>President</i> )..	5 East 38th street.....	\$5,000 00
JAMES J. PHELAN.....	" ( <i>Treasurer</i> )..	66 West 85th street.....	5,000 00
ANDREW J. WHITE.....	" .....	6 Mount Morris Park, West.	5,000 00
Augustus T. Docharty.....	Secretary .....	10 East 30th street.....	4,800 00
Charles J. Farley.....	Assistant Secretary.....	562 Park avenue.....	2,400 00
John M. Phelan.....	Chief Clerk.....	451 East 119th street.....	2,700 00
James Weir.....	Apportionment Clerk ....	Staten Island .....	2,400 00
Louis S. Kellogg.....	Clerk.....	109 West 38th street.....	2,000 00
Charles W. Balch .....	Stenographer and Type- writer .....	316 West 70th street.....	2,000 00
Edwin A. Gregory, Jr.....	Clerk.....	386 Manhattan avenue....	2,000 00
William S. Hillman.....	Collector.....	219 West 25th street.....	1,800 00
Martin J. McInerney.....	" .....	55 Tompkins street.....	1,800 00
Thomas E. Foran.....	Copyist from Manuscript..	536 West 51st street .....	1,000 00
Henry A. Palmstine.....	Dock Master.....	109 West 132d street.....	2,100 00
Charles S. Coye.....	" .....	155 East 48th street .....	2,100 00
James A. Monaghan.....	" .....	221 Mulberry street.....	2,100 00
Maurice Stack.....	" .....	18 West street .....	2,100 00
Joseph F. Meehan.....	" .....	476 Cherry street.....	2,100 00
James W. Carson.....	" .....	437 East 88th street.....	2,100 00
George A. Woods.....	" .....	200 West 96th street.....	2,100 00
Edward Abeel.....	" .....	United States Hotel.....	2,100 00
Bartholomew F. Kenney...	" .....	455 West 31st street.....	2,100 00
William B. Osborne .....	" .....	446 West 25th street.....	2,100 00
James J. Fleming.....	" .....	64 East 12th street.....	2,100 00
Thomas P. Walsh .....	" .....	37 City Hall place.....	2,100 00
John J. Martin.....	" .....	Kingsbridge.....	2,100 00
Mary Dowling .....	Cleaner .....	94 Jane street .....	Per mo., 45 00
Catharine Lyons.....	" .....	40 Cliff street.....	" 45 00
Thomas C. Carroll .....	" .....	131 East 50th street.....	" 75 00

*Construction and Repairs.*

G. S. Greene, Jr .....	Engineer-in-Chief .....	24 East 42d street .....	\$6,000 00
A. McC. Parker .....	First Assistant Engineer...	35 West 119th street.....	4,000 00
Godfrey P. Farley.....	Assistant Engineer.....	41 West 31st street .....	2,400 00
John A. Bensel .....	" .....	64 East 79th street .....	3,000 00
Allen N. Spooner .....	" .....	Jersey City, N. J.....	1,980 00
George A. Button.....	" .....	347 West 59th street.....	1,800 00
S. W. Hoag, Jr.....	" .....	1718 Madison avenue.....	2,700 00
John M. Stewart .....	" .....	320 West 58th street.....	1,800 00
William S. White.....	" .....	368 South 5th street, B'klyn	1,800 00
Edward Gottschal .....	Secretary of Water Grants.	183 East 116th street .....	2,400 00
Henry C. Freeman.....	Clerk to Engineer-in-Chief.	Brooklyn, N. Y.....	2,000 00
David H. Lane .....	Clerk of Floating Property	Williamsbridge .....	1,200 00
Berthold Sommer.....	Clerk .....	422 East 50th street .....	1,800 00
Joseph Thompson .....	" .....	126 West 83d street .....	1,500 00
Lucius C. Higgins .....	" .....	700 Boulevard.....	1,500 00
John W. Ingalls .....	" .....	346 West 59th street.....	1,200 00
Thomas P. T. Nash.....	Copyist from Manuscript..	147 East 33d street.. .....	1,200 00

NAME.	POSITION.	RESIDENCE.	SALARY.
Effingham V. Smith.....	Timekeeper.....	54 West 17th street.....	\$1,200 00
Frederick Lange.....	Stationery Custodian and Messenger.....	226 East 112th street.....	1,500 00
Robert M. Kid.....	Draughtsman.....	Newark, N. J.....	1,500 00
John A. Duntze.....	".....	Brooklyn, N. Y.....	1,500 00
William G. Johnson.....	".....	".....	1,200 00
Nicholas J. Van der Weyde.....	".....	173 West 83d street.....	1,200 00
Alexander M. Goge.....	".....	926 Madison avenue.....	1,100 00
Frederick P. Thompson.....	Surveyor.....	120 West 13th street.....	3,000 00
C. W. Staniford.....	Assistant Surveyor.....	Brooklyn, N. Y.....	2,100 00
J. Frank Johnson.....	Transitman.....	510 Manhattan avenue.....	1,500 00
Chandler Davis.....	".....	38 West 30th street.....	1,500 00
William Selmer.....	".....	828 East 161st street.....	1,500 00
John T. Hilton.....	".....	247 West 25th street.....	1,500 00
Eugene Lentilhon.....	".....	36 West 11th street.....	1,500 00
Bernard Rolf.....	".....	84 King street.....	1,500 00
Peter C. Spence.....	".....	70 West 71st street.....	1,500 00
Alger C. Gildersleeve.....	".....	20 West 48th street.....	1,200 00
J. W. Balet.....	Leveler.....	307 East 14th street.....	1,200 00
Gerald S. Griffin.....	".....	326 East 120th street.....	1,200 00
William H. Cherry.....	".....	59 Gouverneur street.....	1,000 00
William J. Crowley.....	".....	30 Scammell street.....	960 00
Francis O'Neill.....	".....	60 East 105th street.....	1,200 00
William H. McDonald.....	".....	Staten Island.....	960 00
Hiram C. Calkins.....	Hydrographer.....	Fordham, N. Y.....	1,500 00
George E. Rodgers.....	".....	Greenpoint, L. I.....	1,500 00
John T. L. Doughty.....	".....	Kingsbridge, N. Y.....	1,200 00
James J. White.....	".....	32 Scammell street.....	1,500 00
John Moran.....	Boatman.....	16 Jackson street.....	Per wk., 15 00
James King.....	".....	326 Delancey street.....	" 15 00
John J. McGrane.....	".....	110 West 56th street.....	" 15 00
Daniel Sullivan.....	".....	89 Monroe street.....	" 15 00
John Carey.....	".....	422 West 16th street.....	" 15 00
Thomas J. Sullivan.....	".....	301 Spring street.....	" 15 00
John Osborne.....	".....	944 Eighth avenue.....	" 15 00
William J. F. Sullivan.....	Sounder.....	2096 Third avenue.....	" 15 00
William H. Carman.....	".....	268 West 11th street.....	" 15 00
Iver Petersen.....	Scowman (Foreman).....	69 Fifty-fifth st., Brooklyn.....	" 20 00
Ole Olsen.....	".....	439 West 49th street.....	" 15 00
Charles E. Beck.....	".....	111 South 3d street, B'klyn.....	" 15 00
James Van Houten.....	".....	974 Eighth avenue.....	" 15 00
James Leavy.....	".....	623 East 16th street.....	" 15 00
Joseph Devlin.....	".....	1153 Third avenue.....	" 15 00
Philip Stark.....	".....	270 West 131st street.....	" 15 00
John F. Williams.....	Rodman.....	815 East 6th street.....	" 18 00
James W. Dikeman, Jr.....	Chainman.....	872 East 161st street.....	" 18 00
William J. Crowley.....	".....	62 Lewis street.....	" 15 00
Nicholas H. Voorhis.....	".....	Westwood, N. J.....	" 15 00
Charles W. Thompson.....	".....	137 Lewis street.....	" 15 00
Felix C. Stehl.....	".....	50 East 112th street.....	" 15 00
Thomas J. Cronin.....	".....	336 East 53d street.....	" 15 00
James M. Clancey.....	".....	65 Prince street.....	" 15 00
James C. Darby.....	".....	53 Cannon street.....	" 15 00
Stephen A. D. Denton.....	".....	588 Washington street.....	" 15 00
William H. Reilly.....	".....	329 East 22d street.....	" 15 00
Perry Thompson.....	".....	120 West 13th street.....	" 15 00
John T. Walsh.....	".....	344 West 12th street.....	" 15 00
David F. McCarthy.....	Superintendent of Repairs.....	2323 Seventh avenue.....	3,500 00
Robert M. Sterritt.....	Foreman 57th Street Yard.....	Williamsbridge.....	1,200 00

NAME.	POSITION.	RESIDENCE.	SALARY.
Edward T. Du Bois.....	Foreman 17th Street Yard..	415 East 80th street.....	Per hr., \$0 40
Samuel Fitzpatrick.....	Office Keeper and Messen- ger .....	742 Eleventh avenue .....	Per wk., 15 00
Theodore F. Alling.....	Blacksmith .....	281 Avenue C .....	Per hour, 40
Charles McLean .....	" .....	208 West 60th street.....	" 35
Lawrence F. Maxwell .....	" .....	144th st. and Concord ave.	" 35
James Brown.....	" .....	339 West 54th street.....	" 35
John Ronnan .....	" .....	338 East 83d street.....	" 35
Patrick Drummond .....	" .....	448 West 53d street.....	" 35
William O'Connor.....	" .....	116 East 107th street.....	" 35
Charles McSorley.....	" .....	334 East 66th street.....	" 35
William T. Brown.....	" .....	558 West 51st street.....	" 35
Richard McCarthy.....	Blacksmith's Helper.....	547 West 50th street.....	" 25
Felix Myers.....	" .....	326 East 22d street.....	" 25
John H. Corley.....	Superintend't of Machinery	266 West 123d street .....	1,980 00
Charles Wilson.....	Captain of Tug.....	488 West 58th street.....	1,500 00
John C. Wood.....	Engineer.....	430 West 58th street.....	1,200 00
James Vandegrift .....	Fireman.....	73 Gansevoort street.....	Per wk., 15 00
Henry Head.....	" .....	254 West 51st street.....	960 00
William H. Baker.....	" .....	430 West 58th street.....	720 00
Thomas Niblo.....	Deckhand.....	501 West 57th street.....	Per mo., 50 00
Luther C. Sheldon.....	" .....	254 West 51st street.....	" 90 00
John Golden.....	" .....	342 East 66th street .....	900 00
Joseph Fletcher.....	" .....	350 East 63d street.....	Per mo., 50 00
Thomas Conroy .....	Caulker.....	26 Rutgers street.....	Per hour, 39
Thomas Higgins.....	" .....	22 Forsyth street. ....	" 39
Benjamin Walker.....	" .....	73 Jackson street .....	" 39
William Harrigan.....	" .....	216 East 51st street.....	" 39
Thomas P. Doran.....	" .....	558 Tenth avenue.....	" 39
Hugh Daly .....	Carpenter & Ship Carpenter	604 East 14th street.....	" 39
John R. Grant .....	" .....	405 West 49th street.....	" 39
Daniel McLaughlin .....	" .....	63 Avenue D.....	" 39
John McNamara.....	" .....	446 Cherry street .....	" 39
George Sparks.....	" .....	238 Monroe street .....	" 39
Joseph Kyle.....	" .....	546 West 46th street.....	" 39
Thomas Roberts .....	" .....	142 East 28th street.....	" 39
John Williams.....	" .....	142 " .....	" 39
Abram Van Blarcom .....	" .....	204 West 60th street.....	" 39
Bartholomew Donohue .....	" .....	147 East 118th street.....	" 39
John H. Kelly.....	" .....	54 Lewis street .....	" 39
Peter J. Mitchell .....	" .....	857 Ninth avenue .....	" 39
Charles Eagle.....	" .....	621 West 51st street.....	" 39
James T. Ruggles.....	" .....	410 East 81st street. ....	" 39
Peter Lange.....	" .....	163 West 60th street.....	" 39
Edward Cavanagh.....	" .....	82 Lewis street.....	" 39
Jeremiah J. Crowley.....	" .....	2513 Eighth avenue. ....	" 39
Dennis O'Brien.....	" .....	121 Ninth avenue .....	" 39
Matthew Baldwin.....	" .....	769 " .....	" 39
Patrick Barrett .....	Foreman of Ship Carpenters	361 Spring street. ....	" 50
John J. Boyle.....	Carpenter .....	116 East 53d street .....	1,200 00
Edward Atwell.....	Rigger.....	39 Montgomery street.....	Per wk., 15 00
William Witte.....	" .....	340 West 39th street.....	" 15 00
John McCarthy.....	" .....	218 Monroe street.....	" 15 00
John McBride.....	" .....	23 Bowery .....	" 15 00
George N. Baker.....	Painter .....	408 East 58th street .....	Per hour, 39
William H. Cunliffe .....	" .....	107 Leroy street.....	" 39
William C. Rogers.....	" .....	141 Spring street.....	" 39
Thomas Stuyvesant .....	Captain, derrick "City of New York".....	154 St. Ann's avenue.....	Per wk., 25 50

NAME.	POSITION.	RESIDENCE.	SALARY.
William Love .....	Captain of Pile Driver ....	123 Avenue D .....	Per hr., \$0 35
Richard Munster.....	Captain, 10-Ton Derrick..	160 East 65th street .....	Per wk., 18 00
Edward Rush .....	Saw Filer.....	428 West 49th street.....	Per hour, 35
Henry Wenzel.....	" .....	208 East 32d street .....	" 35
Edward J. Flynn .....	" .....	72 West 98th street.....	" 35
Patrick Donnelly.....	Watchman .....	401 Greenwich street.....	Per wk., 18 00
Montfort Clements .....	" .....	452 West 41st street.....	Per hour, 16 $\frac{2}{3}$
John Gannon .....	" .....	620 Eleventh avenue.....	" 16 $\frac{2}{3}$
Nicholas F. Kinnally.....	" .....	201 East 114th street.....	Per mo., 75 00
John Murray .....	" .....	341 East 24th street .....	Per hour, 16 $\frac{2}{3}$
Henry Manheimer .....	" .....	239 " .....	" 23
William Strowbridge.....	" .....	217 Varick street.....	" 16 $\frac{2}{3}$
Edmund K. Stephens.....	" .....	227 West 28th street.....	Per wk., 15 00
Frank Paul .....	Diver .....	545 East 141st street.....	Per hour, 1 00 Per day, 5 00
John Bundick .....	" .....	75 South street.....	
Robert S. Russell.....	" .....	346 East 77th street.....	
Peter Gilligan.....	" .....	173 East 117th street....	
John Wright .....	" .....	12 Varick place.....	
John O'Brien.....	" .....	915 Second avenue.....	
Louis Timmons .....	" .....	308 West street.....	
David Tullock .....	" .....	130 Madison street .....	
Bernard Troy .....	" .....	301 East 125th street ...	
William J. Hoar.....	" .....	213 East 80th street....	
Frank Newman.....	" .....	2246 First avenue .....	
J. Wannenberg .....	" .....	200 East 75th street .....	
Patrick Griffin.....	Diver's Tender .....	110 Sullivan street.....	Per hour, 35
John R. Leary.....	" .....	246 West 17th street.....	" 35
Martin Miller.....	Foreman of Dock Builders.	431 East 114th street.....	" 45
Thomas Hanly.....	" .....	201 Front street.....	" 35
Daniel Darby.....	" .....	55 Bethune street.....	" 40
Patrick Geoghegan .....	" .....	632 East 13th street.....	" 35
James Denney.....	" .....	411 West 50th street.....	" 35
John J. McEntee.....	" .....	524 West 44th street .....	" 35
Patrick H. Murray.....	" .....	355 West 17th street.....	" 35
Charles McInenly.....	" .....	770 Columbus avenue.....	" 35
Benjamin Burns.....	" .....	604 East 14th street.....	" 35
Edwin A. Gregory .....	Foreman of Laborers.....	386 Manhattan avenue....	" 35
John Jackson.....	" .....	482 Fulton street, Brooklyn	" 35
John S. Markham.....	" .....	174 Hudson street.....	" 35
John McSorley.....	" .....	114 Tenth avenue.....	" 35
Thomas F. McGivney.....	" .....	433 East 16th street .....	" 35
Andrew Govan.....	" .....	125 West 28th street.....	" 35
Gordon Hay .....	" .....	141 West 62d street.....	" 35
Patrick McCann.....	" .....	140 West 31st street.....	" 35
James Bagley .....	" .....	209 West 20th street.....	" 35
Edward W. Meyer.....	" .....	267 East 10th street.....	" 35
Thomas A. Flynn .....	" .....	2350 Second avenue.....	" 35
John J. O'Rourke.....	" .....	228 First avenue .....	" 35
Patrick White .....	Foreman of Piling and Woodwork.....	304 East 37th street .....	" 50
Stephen Mullins .....	Mason's Helper.....	244 Columbus avenue....	" 30
John Bruton.....	Stone-cutter and Mason ..	262 Avenue B .....	" 50
John Carroll .....	" .....	217 West Houston street ..	" 50
Francis Brock.....	" .....	235 East 74th street.....	" 50
James McNamee.....	" .....	1174 Second avenue.....	" 50
John Baldwin.....	" .....	24 Broome street.....	" 50
James Gaffney.....	" .....	244 East 114th street .....	" 50
Owen McCabe.....	" .....	326 East 33d street.....	" 50
Andrew Foster.....	" .....	312 East 46th street .....	" 50



NAME.	POSITION.	RESIDENCE.	SALARY.
Myles Cullen.....	Stone-cutter and Mason..	334 East 76th street .....	Per hr., \$0 50
Edward D. Saunders.....	" ..	309 West 142d street.....	" 50
Michael McCourt.....	" ..	537 Ninth avenue .....	" 50
Patrick Byrnes.....	" ..	2451 Third avenue .....	" 50
Robert L. Humphreys. ....	" ..	319 Tenth avenue.....	" 50
Thomas P. Dunn .....	" ..	2037 Third avenue .....	" 50
Patrick Devlin .....	" ..	244 East 106th street .....	" 50
James Cunningham.....	" ..	2701 Eighth avenue.....	" 50
Thomas Crosby.....	" ..	509 East 81st street.....	" 50
James Meadoule.....	" ..	519 West 29th street.....	" 50
Edward J. McCann.....	" ..	617 East 6th street.....	" 50
William H. Rose.....	Engineman. ....	227 West 143d street ....	Per wk., 21 00
Robert Kyles.....	" ..	208 West 60th street.....	Per hour, 45
William H. Burnham.....	" ..	3 Desbrosses street .....	" 35
Dennis F. Eagen.....	" ..	402 West 13th street .....	" 35
W. J. Brennan .....	" ..	14 Carmine street.....	" 35
George A. Shevlin.....	" ..	313 East 37th street.....	" 35
William P. Baker.....	" ..	739 Eighth avenue.....	" 35
John J. Givnan.....	" ..	314 East 52d street.....	" 35
Alfred J. Mayer.....	" ..	3 West 135th street.....	" 35
Tronson Kerr.....	" ..	49 East 107th street.....	" 35
Montraville M. Smith.....	" ..	227 East 128th street.....	" 35
Z. C. Smith.....	" ..	8 West 134th street.....	" 30
I. B. Maslen .....	" ..	227 East 128th street .....	" 35
Franklin Macklin .....	" ..	468 West 58th street.....	" 35
John Canavan.....	" ..	392 East 10th street .....	" 35
John O'Connell.....	" ..	334 East 117th street .....	" 35
Frederick Yud. ....	" ..	101 West 85th street.....	" 35
William T. Hall.....	" ..	301 West 147th street.....	" 35
George F. Lange.....	" ..	226 East 112th street .....	" 35
James Hennessey .....	" ..	965 Park avenue.....	" 35
John T. Lane.....	" ..	372 Cherry street .....	" 35
John R. Grant, Jr.....	" ..	451 West 44th street.....	" 35
Thomas J. Joyce.....	" ..	306 West 27th street.....	" 35
James J. Crosson.....	" ..	24 Cannon street.....	" 35
James Anderson.....	" ..	256 West 124th street.....	" 30
George W. Carpenter .....	Inspector of Dredging ..	Astoria, L. I.....	" 25
John McDonough.....	" ..	132 West Washington place ..	" 25
Mortimer W. Casper.....	Inspector of Pier Building	56 Suffolk street.....	" 50
Edward E. McCarney .....	" ..	1414 Fourth avenue .....	" 50
John Hogan.....	" ..	615 Lexington avenue.....	" 50
William White .....	" ..	4 Charlton street.....	" 50
George Ryan.....	" ..	729 East 9th street .....	" 50
James Allen.....	Machinist.....	473 Ninth avenue .....	" 35

*Dock Builders, Thirty Cents per Hour.*

James Ahearn.  
Daniel Allen.  
Thomas Ahearn.  
Ed. Akerstrom.  
Fred. Akerstrom  
Louis Anderson.  
T. A. Antons.  
John Benson.

James B. Beirne.  
George Bloomer.  
James Brady.  
Charles A. Bond.  
Patrick Brady.  
William Branagan.  
John Brawley.  
John Brennan.

Dunning Brown.  
John E. Burns.  
Peter J. Byrne.  
Joseph Byrnes.  
Thomas F. Coar.  
Patrick J. Canty.  
Thomas Canty.  
William Carlsen.

Thomas Carney.  
 James Carren.  
 Edward J. Carroll.  
 Charles L. Casper.  
 Robert T. Cass.  
 John Cassie.  
 Orrin R. Chamberlain.  
 Stephen Chisom.  
 Maurice Christal.  
 Michael Chrystal.  
 William Clancy.  
 Charles Clarke.  
 Thomas Clarke.  
 Jeremiah Collins.  
 Christopher Colver.  
 Peter Conway.  
 Michael Connelly.  
 Frank Coughlin.  
 Henry Crum.  
 Frank Cullen.  
 Terence Cumiskey.  
 John J. Cotter.  
 George J. Coyle.  
 Thomas Dillon.  
 William Daly.  
 James Daly.  
 John Daniels.  
 Daniel Darby, Jr.  
 Frederick Darouin.  
 Henry Dale.  
 George Deer.  
 Joseph De Temple.  
 Joseph De Temple, Jr.  
 Peter J. De Temple.  
 Michael Dolan.  
 Cornelius Dougherty.  
 Henry Doyle.  
 Joseph Doyle, No. 1.  
 Joseph Doyle, No. 2.  
 Matthew Drum.  
 John Duke.  
 Thomas Dunne.  
 Thomas Dunn.  
 Henry Eldot.  
 William Forbes.  
 John Funcheon.  
 Louis Fabur.  
 Bernard Farley, Jr.  
 Michael Finerty.  
 William Fitzgerald, No. 1.  
 William Fitzgerald, No. 2.  
 Edward Fitzpatrick.  
 John Fitzpatrick.  
 James H. Flood.  
 Patrick Flynn.  
 William P. French.  
 Archibald Gillies.  
 Michael Gilhooly.  
 James Gandle.  
 Luke Gallagher.  
 John F. Gately.  
 John Gately.  
 William Gibbons.

John T. Gilligan.  
 John Grinnon.  
 George W. Guider.  
 Charles Hennis.  
 William Hart.  
 George Hackett.  
 Joseph Hagen.  
 Luke Hanley.  
 James Harney.  
 James Harrigan.  
 Owen J. Hart.  
 Charles Healy.  
 John Henkes.  
 Michael Hennessey.  
 James Higgins.  
 Michael E. Higgins.  
 Alfred Hines.  
 John Howard.  
 Felix Hughes.  
 John Hughes.  
 Peter Huyland.  
 Charles Johnson.  
 Peter Johnson.  
 William Johnson.  
 Hugh Jordan.  
 William Jordan.  
 Nicholas Kaufmann.  
 Charles J. Keene.  
 Hugh Kelly.  
 Lawrence J. Kelly.  
 Patrick Kelly.  
 Thomas Kelly.  
 Patrick Kennedy.  
 Thomas Kennedy.  
 Maurice Kennedy, No. 1.  
 William King.  
 Andrew Knott.  
 James Knott.  
 Thomas Lafferty.  
 Andrew W. Laine.  
 Herman Landwehr.  
 John H. Link.  
 Charles Love.  
 James Lynch.  
 Patrick Lynch.  
 Richard Lynch.  
 Thomas Lynch.  
 Albert Lyons.  
 John McLaine.  
 H. W. McDougall.  
 Archie McDougall.  
 Patrick McAnanly.  
 James McArdle.  
 Thomas McEvoy.  
 Thomas McCabe.  
 Thomas McCarthy.  
 James McDonald, No. 1.  
 John McDonald.  
 Matthew McDonald.  
 Daniel McDougall.  
 John J. McGuire.  
 James McInenly.  
 John McInenly.

Duncan McIsaacs.  
 Cornelius McLoughlin.  
 Daniel McLellan.  
 Daniel McLoud.  
 Neil McLoud.  
 Henry McShane.  
 John McShane.  
 John Morris.  
 Francis J. Mooney.  
 Martin Manning.  
 Edward Madison.  
 Andrew Mahon.  
 James Mahon.  
 James E. Maloney.  
 James Meade.  
 Louis Metzger.  
 Thomas Malloy.  
 William Malloy.  
 Michael Monohan.  
 Patrick Monohan, No. 1.  
 James Moore.  
 John Moran, No. 1.  
 Michael Morrissey.  
 James Mulgrew.  
 William Mulhall.  
 John Mullady.  
 William W. Munson.  
 John Murphy.  
 James Murray.  
 John Murray.  
 George Nelson.  
 Wilson N. Newbegin.  
 Michael Noonan.  
 William J. Noonan.  
 John Norbeck.  
 Daniel O'Brien, No. 1.  
 Daniel O'Brien, No. 2.  
 Patrick J. O'Brien.  
 Michael O'Connell.  
 Maurice O'Connell.  
 Michael O'Rourke.  
 Timothy O'Sullivan.  
 Arthur D. Porter.  
 John Paul.  
 William Perchbock.  
 William Porter.  
 Thomas Purdy.  
 John Reich.  
 James Reardon.  
 Thomas Redman.  
 John Reeves.  
 Patrick Reynolds.  
 Patrick Rigney.  
 Samuel Robinson.  
 John Rode.  
 John J. Rogers.  
 Michael Rogers.  
 Fred. W. Roth.  
 Thomas Rutledge.  
 Cornelius Ryan.  
 John Ryan.  
 Joseph Ryan.  
 Patrick Ryan.

John Ryder.  
Abraham Sales.  
William Shanahan.  
Bernard Sheridan.  
Timothy F. Shine.  
Patrick Skeliy.  
James Smith, No. 2.  
James Smith, No. 3.  
Michael Stapleton.  
John Stokey.  
Thomas Sullivan, No. 1.  
Charles Swanson.

Joseph Snell.  
Edward Spilane.  
John J. Tiernan.  
Ambrose C. Tanner.  
William Thorp.  
Michael Tracy.  
John F. Trenly.  
John Vesey.  
Jackson Vermilyea.  
David F. Walsh.  
Thomas Walsh.

William Ward.  
James Waters.  
Patrick Whalen, No. 1.  
Joseph Whelan.  
William Welden.  
John Willis.  
John Wilson, No. 1.  
John Wilson, No. 2.  
Thomas W. Wood.  
James Woods.  
Daniel C. Woodley.

*Laborers, Twenty-three Cents per Hour Except as Otherwise Stated.*

C. A. Atkinson, \$60 per mo.  
Robert Aram \$75 per mo.  
Wm. J. Armstrong, \$75 per mo.  
Charles Adler.  
Thomas Ahern, \$75 per mo.  
John Allen.  
Daniel D. Barry, \$75 per mo.  
John Brackin.  
Turner H. Baylis, \$75 per mo.  
Edward W. Bostwick.  
Joseph Bennett.  
John Barr.  
John Barrett.  
William Barrett.  
James Barry.  
Thomas Barry.  
John Bartlett.  
Ebenezer Berry.  
Edward Beatty.  
Patrick H. Bird, \$65 per mo.  
John Bergin.  
Thomas Blaney.  
Patrick Bohan.  
John Boland.  
John Bowen.  
Hugh Brady, No. 1.  
Hugh Brady, No. 2.  
Thomas E. Brady, \$15 per wk.  
Edward Breene.  
John Brassel.  
John Brophy.  
Joseph Brooks.  
Anthony Brown.  
James A. Brown.  
William S. Brown, \$15 per wk.  
Peter Burke.  
William J. Burke.  
Charles Burns.  
Thomas Burns, No. 1.  
John Butler.  
Robert Butler, \$15 per wk.  
Thomas Byrnes.  
James Borke.  
Joseph Byrne.

Michael Coady.  
David Cagney.  
Patrick Cain.  
James Callahan.  
John P. Canavan.  
Dennis Caniff.  
Peter Canty.  
John Carroll.  
Timothy Carroll.  
Dennis Cary.  
John J. Casey.  
Terris L. Cavanagh.  
Ogden Chapen.  
Martin Clancy.  
James Clare.  
Michael Clark.  
Peter Clarkin.  
Thomas P. Clinch.  
Thomas Coady.  
John Coffey.  
Daniel Cogan.  
Richard Cohen.  
William J. Colby.  
David Coleman.  
James Connolly.  
John Conkling.  
Thomas Cooney.  
John Conroy.  
John Conway.  
James Cosgrove.  
John Costello.  
Thomas F. Cregan, \$75 per mo.  
Walter Crook.  
Joseph Crotty.  
Thomas Crowe.  
Jeremiah Crowley.  
John Coff.  
Peter Cullen.  
Edward Cunningham.  
Patrick Cunningham.  
James Curtain.  
Patrick H. Corey.  
James Daly.  
D. H. Davis.

Patrick Davin.  
Patrick F. Delaney.  
Leo Devlin.  
Frank Devine.  
Joseph Devlin, No. 1, \$15 wk  
Thomas J. Dickman.  
Garrett Dillon.  
John Dillon.  
Robert Dolan.  
Philip Domidion.  
John Dobson.  
Joseph Devlin, No. 2.  
Thomas P. Doran.  
James Doonan.  
Daniel Dougherty.  
George Dougherty.  
John Dowdell.  
John F. Dowling.  
John Downey.  
Joseph Doyle.  
Michael Dunn, No. 1.  
James Dunning, Jr.  
William Dunphy.  
James F. Dunn.  
Alfred A. Dutton, \$50 per mo  
Frederick Esser.  
Frank Eberton.  
Arthur F. Eager.  
John G. Eager.  
George Edler.  
James Enright.  
Charles E. Fullbrook.  
Joseph Fallon.  
James P. Fallon.  
John H. Fagan.  
George Farley.  
James Farley, No. 1.  
James Farley, No. 2.  
Patrick Farrell.  
James Feeney.  
Michael Feeney.  
James P. Finnan.  
John Fitzgerald.  
Michael Fitzgibbons.

Jeremiah Fitzpatrick.  
 Thomas Flaherty.  
 James Flynn.  
 Matthew Foley.  
 Michael Foley.  
 James W. Forbes.  
 James Fox.  
 Peter Fox.  
 John P. Frech.  
 Patrick J. Fullam.  
 Edward Fullbrook.  
 August Graf.  
 William Gerrity.  
 Martin Garry.  
 Andrew Gallagher.  
 Thomas Gannon.  
 James Garvin.  
 W. J. Gately.  
 John Gibbons.  
 Bernard P. Gibney, \$75 per mo.  
 John Gilchrist.  
 John Gilmore.  
 Philip Goewy.  
 John Golden.  
 George Goldey.  
 James Gorman.  
 Louis Gravlin.  
 James Griffin, No. 1.  
 James Griffin, No. 2.  
 James Griffin, No. 3.  
 James Griffin, Sr.  
 Martin Griffin.  
 William Gunn.  
 John Gurrin.  
 William M. Healy.  
 Daniel Haggerty, No. 1.  
 Max Hahn, \$15 per week.  
 Edward L. Halstead.  
 John Hanevy.  
 John Hanifin.  
 Thomas Hannigan.  
 Thomas Hansen.  
 Adolph Harbert.  
 Patrick Hartnett.  
 William Hartnett.  
 James Hartney.  
 Peter W. Hasnak.  
 Patrick Heagney.  
 John Healy.  
 William Hennessey.  
 John Herwig.  
 Michael Hickey.  
 Patrick Hickey.  
 Hugh Higgins.  
 Robert Heaton, \$65 per month.  
 Frederick Hoffman.  
 Edward Hogan.  
 Michael A. Holahan, \$15 per wk  
 James Holden.  
 James Holmes.  
 Timothy Horgan.  
 John Horrigan.  
 George Horstmann.

Henry A. Howland.  
 James J. Hunt.  
 Michael Hurley.  
 James Hughes.  
 George H. Irwin, \$65 per mo.  
 Bernard Igoe.  
 Thomas Igoe.  
 Charles J. Jones.  
 Griffith Jones.  
 John Jones.  
 Michael Joyce.  
 James Keane.  
 Christian Kaefer.  
 Dennis Kane.  
 Richard Kane.  
 James B. Kavanagh, \$15 per wk.  
 Henry Kearney.  
 James E. Keating.  
 Joseph Keating.  
 Nicholas Keating.  
 Dennis Kehoe.  
 William Kehoe.  
 Patrick Kelley.  
 Frank Kennedy.  
 James Kennedy, No. 1.  
 John Kennedy.  
 Patrick J. Kerwin.  
 Owen Kettle.  
 John Kiernan.  
 Patrick Kiernan.  
 William Kiesler.  
 Thomas King.  
 Thomas Lamb.  
 Thomas Lahey, Jr.  
 Gottlieb Lang.  
 James Langan.  
 Emil Lautenberg.  
 Thomas Lawler.  
 James Leary.  
 John P. Leddy.  
 Matthew Lennon.  
 Max Levy.  
 Augustus Luerson, \$75 per mo.  
 Zaccheus Lightowler.  
 William Lowrie.  
 Ferdinand A. Lubbe.  
 Gerry A. Lyman, \$15 per wk.  
 Edward J. Lynch.  
 Daniel Lynch.  
 Owen Lynch.  
 Cormack McLaughlin.  
 John J. McConnell.  
 Richard McCann.  
 Patrick McCabe, No. 1.  
 Hugh McCormack.  
 John H. McGowan, \$65 per mo.  
 Henry R. McCreedy, \$75 per mo  
 Jefferson McCormack.  
 Richard McCullogh, \$15 per wk.  
 Thomas McCullogh.  
 John McDermott.  
 Edward McDonald.  
 James McDonald.

Cornelius McElligott, \$15 wk.  
 Thomas McElroy, \$15 per wk.  
 Hugh McGarry.  
 John McGlynn.  
 Thomas McGovern.  
 Patrick McGown.  
 John McGrath.  
 Patrick McGrath.  
 Cawley McGuinness.  
 Francis McGuire.  
 John McGuire, No. 2.  
 Robert F. McIntyre.  
 James McKeever.  
 Luke McLaughlan.  
 Peter McLaughlin, No. 1.  
 Thomas McLaughlin.  
 Martin McLean.  
 James McMahon.  
 James J. McMahon.  
 Owen McManus.  
 Patrick McManus.  
 Thomas McNulty.  
 Thomas McMahon.  
 Michael McQuade.  
 Francis T. Meehan.  
 James Mackin.  
 Patrick Madden.  
 Thomas F. Madden.  
 Pater Madden.  
 Daniel Maguire.  
 Daniel Mahoney.  
 Michael Mahoney.  
 Patrick Mahoney.  
 Miles Mallon.  
 John Manning.  
 George Mead.  
 Alexander Messenger.  
 John Meyers.  
 Jacob Miller.  
 James R. Misk.  
 James Mitchell.  
 James Monaghan.  
 Peter Monohan.  
 Francis J. Morgan.  
 John Moroney.  
 Charles Morton.  
 George Morton.  
 Wright Morton.  
 Frank Moss.  
 Thomas C. Mulcare.  
 George Murphy.  
 John Murphy, No. 1.  
 William E. Morgan, \$65 per mo.  
 Peter T. Monaghan, \$65 per mo.  
 John Murphy, No. 2.  
 Nicholas Murphy.  
 Michael Murray.  
 Felix Myers.  
 John Myers.  
 Charles Nally.  
 John J. Nanry.  
 John Neenan.  
 William Nethercott.



Robert Nolan.	Richard Reilly.	Patrick Smith, No. 3.
Michael Noonan.	William Reilly.	Peter Sneden.
James O'Brien.	John Reynolds.	James Spellman.
John O'Brien.	Patrick Reynolds.	Thomas H. Spooner.
Michael O'Connell, No. 2.	Frank Rhodes.	Allen Steele.
John J. O'Connor.	John Riley.	James Steele.
Patrick O'Connor, No. 1.	John Ritchie.	William Struve.
Patrick O'Connor, No. 2.	John Roach.	Dennis Sullivan.
Thomas O'Connor.	Robert E. Reilly, \$75 per mo.	Patrick F. Sullivan.
Patrick O'Dwyer.	Edward Robinson.	John T. Sullivan.
Michael O'Flynn.	Thomas Rogers.	Thomas Sullivan.
James O'Grady.	John Ronan.	James Sutton.
Michael O'Keefe.	Dennis Ryan.	Luke Sweeney.
John J. O'Neill.	Michael Ryan.	William H. Stackpole.
Daniel McNeill.	William Ryan.	Henry Thomas.
John O'Neill.	James Smith.	Archibald P. Thompson.
Owen O'Neill.	John Smith, No. 2.	Bernard Tighe.
Patrick H. O'Neill.	Timothy Sheehan.	Joseph Trainer.
James O'Rourke.	William H. Smith.	Chester P. Traver.
Merwin J. Page.	George W. Schaffer.	George Tremper.
Phillip Packenham.	Thomas Saunders.	William Tucker.
William P. Pool.	Bernard Scanlon.	William Tuite.
Charles Pertain.	Frederick Schneidrum.	George Twohy.
Michael Pettit.	Patrick Scullin.	Patrick Tynan.
John J. Perue.	Milton Sears.	Patrick Twomey.
John Prentiss.	Adolph Severyn.	George J. Tierney, \$65 per
John O. Prey.	William J. Sexton, \$15 per wk.	William J. Tubbs, \$65 per r
Joseph Quigg.	James Shanahan.	Owen Tierney, \$75 per mo.
Peter Quinn.	Peter Shanely.	Andrew Twomey.
John J. Quinn, \$75 per mo.	Peter Shaw.	William H. Van Dorn.
Patrick Quigley.	Michael Shea.	Richard J. Vinson.
Thomas Quinlan, No. 1.	Michael Sheehan.	Augustus E. Whiting.
Joseph Rubsam.	John J. Sheil.	Louis Weinheimer.
William Rinear.	Edmund Sheridan.	Martin Walsh.
P. H. Regan.	Laughlin Sheridan.	Christopher Walsh.
Bernard Rafferty.	Thomas Sheridan.	Denis Ward.
George Rafferty.	William Sheridan.	Charles Weber.
James Rafferty.	Thomas F. Shevlin.	William Wells.
Timothy Reagan.	Max Silverberg, \$65 per mo.	James A. White.
Thomas Redmond.	John J. Slevin.	John White.
James Read.	Edward Smith, No. 1.	John P. Wilkinson.
Bernard Reilly.	Edward Smith, No. 2.	Joseph Williams.
George Reilly.	John Smith, No. 1.	John Woods.
James Reilly, No. 1.	John R. Smith.	Henry Walls, \$75 per mo.
John Reilly.	Patrick Smith, No. 2.	Michael Zeigler.

Total number of Laborers.....

Total number of Dock Builders.....

Total number of employees, exclusive of Laborers and Dock Builders.....

Total .....

N. B.—Persons employed by the hour are paid only for the time they are actually employ

## SECOND—A STATEMENT OF THE ACTION OF THE BOARD FOR THE PAST YEAR.

## REVENUES AND EXPENDITURES.

The total gross revenue of the Department from leased wharves and wharfage, aggregated \$1,839,658.78, not including the sum of \$328,409.82, collected by the Finance Department for the rent of ferries, etc., which amount properly constitutes a portion of the revenue derived by the City for the use of its water front. The total annual expenditures during the same period were \$2,798,455.73. Of this amount, \$1,786,236.30 was expended for the work of construction, and \$782,265.63 was paid for wharf property acquired by purchase or under judgments; the sum of \$160,416.06 was spent in repairs, while the general expenses of the Department amounted to \$69,537.74.

## WHARF PROPERTY ACQUIRED, ETC.

The wharf property acquired during the year was as follows :

Under the judgment of John S. McLean, 175 feet and $1\frac{3}{4}$ inches, bulkhead between Barrow and Morton streets.....	\$156,172 33
Under the judgment of John G. Wendel, 25 feet and $\frac{1}{4}$ inches, bulkhead between Morton and Barrow streets .....	22,530 43
Under the judgment of Thomas Lenane and others, 40 feet of bulkhead between Spring and Charlton streets.....	34,811 20
From Mary J. Van Auken, between West Fifty-third and Fifty-fourth street, North river .....	2,530 00
From the West Shore and Ontario Tunnel Company, north half of Pier, old 33, and south half of Pier, old 34, and bulkhead between.....	365,552 08
Under judgment, Daniel D. Lord, 75 feet of bulkhead of West street, opposite Clarkson street.....	52,091 74
Under judgment of Cornelius F. Kingsland, bulkhead $40\frac{1}{2}$ feet north of Spring street .....	28,384 85
Under judgment, Charles Ray King and others, bulkhead along the westerly line of Thirteenth avenue, between West Twenty-eighth and West Thirtieth streets...	119,644 21
The law charges on property previously acquired amounted to.....	548 79
	<u>\$782,265 63</u>

*Report of Tonnage of Vessels Berthed for the Year ending April 30, 1894, on the North, East and Harlem Rivers.*

MONTH.	RIVER.	FOREIGN.	DOMESTIC.	TOTAL.	GRAND TOTAL.
1893.					
May .....	North.....	267,489	1,422,831	1,690,320	2,324,211
	East.....	64,337	569,554	633,891	
June .....	North.....	268,790	1,345,541	1,614,331	2,231,040
	East. ...	42,231	574,478	616,709	

MONTH.	RIVER.	FOREIGN.	DOMESTIC.	TOTAL.	GRAND TOT
1893.					
July.....	North.....	267,675	1,433,077	1,700,752	2,312,4
	East.....	35,088	558,513	593,601	
	Harlem.....	817	17,277	18,094	
August.....	North.....	263,637	1,520,600	1,784,237	2,394,1
	East.....	33,065	558,741	591,806	
	Harlem.....	1,078	17,613	18,691	
September.....	North.....	248,548	1,276,203	1,524,751	2,099,6
	East.....	24,680	533,712	558,392	
	Harlem.....	805	16,013	16,818	
October.....	North.....	271,302	1,229,253	1,500,555	2,069,6
	East.....	32,893	523,910	556,803	
	Harlem.....	.....	11,675	11,675	
November.....	North.....	252,716	1,149,184	1,401,900	1,968,3
	East.....	20,623	532,425	553,048	
	Harlem.....	.....	13,366	13,366	
December.....	North.....	241,119	992,900	1,234,019	1,792,4
	East.....	26,364	519,027	545,391	
	Harlem.....	.....	13,073	13,073	
1894.					
January.....	North.....	262,592	778,496	1,041,088	1,577,2
	East.....	19,453	505,063	524,516	
	Harlem.....	454	11,160	11,614	
February.....	North.....	247,585	646,831	894,416	1,400,0
	East.....	19,137	482,800	501,937	
	Harlem.....	110	3,543	3,653	
March.....	North.....	302,652	864,499	1,167,151	1,721,7
	East.....	26,942	520,583	547,525	
	Harlem.....	912	6,183	7,095	
April.....	North.....	314,699	1,085,795	1,400,494	1,943,4
	East.....	27,448	506,819	534,267	
	Harlem.....	248	8,392	8,640	
		3,585,489	20,249,130	23,834,619	23,834,6

## OPERATIONS ON THE WATER FRONT.

The total length of bulkhead of river wall completed April 30, 1894, is about two and nine-tenths miles, of which fifteen hundred and three linear feet was built during the past year, as follows :

627 linear feet on the North river.  
674 linear feet on the East river.  
202 linear feet on the Harlem river.

Seven new piers were built, as follows :

Pier, new 22, North river, foot of Harrison street.  
Pier, old 42, North river, foot of Canal street.  
Pier at West Fifty-fourth street.  
Pier foot of Stanton street, East river.  
Pier at East Twenty-fifth street.  
Pier at East Twenty-ninth street.  
Pier at East Ninety-sixth street.

Five piers were extended out to the pierhead-line, as follows :

Pier, new 36, North river.  
Pier, new 38, North river.  
Pier, new 40, North river.  
Pier, new 43, North river.  
Pier at East Twenty-fourth street.

The total amount of new wharfage room made during the year aggregated 10,544 feet, being a net increase of 8,149 linear feet ; the net increase in superficial area of piers is 285,996 square feet.

The total amount of dredging done during the year at the expense of the Department, was about six hundred thousand cubic yards, of which about twenty or twenty-one thousand cubic yards was done at the dumps of the Department of Street Cleaning.

The Department has kept in repair and properly dredged the wharf property used by the Department of Public Charities and Correction, the Department of Street Cleaning, and the Fire and Health Departments.

## LEASES AND PERMITS GRANTED BY THE BOARD.

A description of the leases and permits granted during the year, including wharf property and land under water, is contained in the rent-roll accompanying this report, together with the name of the lessee or occupant, a description of the property, the term of tenancy and the amount of the rental.

The following is a statement showing the revenues and expenditures of the Department from the time of its organization in May, 1870, to April 30, 1894 :

FOR YEAR ENDING—	TOTAL GROSS REVENUE FROM LEASED PROPERTY AND WHARFAGE.	TOTAL ANNUAL EXPENDITURES.
1871.....	\$315,524 54	\$486,449 12
1872.....	412,859 93	1,075,605 61
1873.....	447,328 01	622,878 03
1874.....	479,361 51	932,710 32
1875.....	589,361 06	1,536,204 33
1876.....	650,781 88	692,603 96
1877.....	706,607 78	433,089 90
1878.....	853,816 92	486,934 69
1879.....	762,122 37	373,425 68
1880.....	810,465 41	599,768 63
1881.....	865,071 89	640,481 57
1882.....	1,062,162 54	1,180,097 44
1883.....	1,162,893 96	953,007 85
1884.....	1,246,858 19	760,106 80
1885.....	1,187,217 14	1,020,207 51
1886.....	1,228,151 80	376,789 72
1887.....	1,260,036 58	389,169 82
1888.....	1,320,684 81	1,069,538 62
1889.....	1,418,440 62	1,218,483 76
1890.....	1,487,930 71	1,316,370 65
1891.....	1,508,554 93	1,971,844 84
1892.....	1,662,437 70	1,882,823 63
1893.....	1,765,783 65	2,762,566 00
1894.....	1,839,658 78	2,798,455 73
Total.....	\$25,044,112 71	\$25,579,614 21

No.	DESCRIPTION OF CONTRACT	CONTRACTOR	CONTRACT PRICE	DATE OF AWARD	DATE OF CONTRACT	EXPIRATION	PAID TO CONTRACTOR
440	Dredging in slip at northerly side of Pier 61, E. R.	Morris & Cummings Dredging Co. ....	98 cents per cubic yard..	May 4, 1893	May 4, 1893	June 14, 1893	\$1,801 20
441	Preparing for and building an iron awning shed on the Pier at foot of East Third street F. R.	Thomas J. Sheridan	\$3,095 00	May 4, 1893	May 4, 1893	Sept. 30, 1893	3,725 00
442	Preparing for and building a new crib bulkhead adjoining the Store house Dock, Blackwell's Island, E. R., and for building boat landing and dredging thereat .....	B. S. Cronin .....	{ Class 1 \$1 30 per cubic yard. Class 2 \$11.000, Class 3 \$740 ... ..	May 11, 1893	May 11, 1893	Sept. 30, 1893	12,751 00
443	For dredging at Pier, new 15, N. R. ....	Morris & Cummings Dredging Co. ....	48 cents per cubic yard.	May 11, 1893	May 11, 1893	July 1, 1893	11,228 16
444	Preparing for and laying pavement on the bulkhead, etc., from West One Hundred and Thirty-first to West One Hundred and Thirty-third street, ....	Joseph Moore.....	\$4,500 00	May 11, 1893	May 11, 1893	July 10, 1893	4,500 00
445	Preparing for and laying pavement on new-made land in rear of bulkhead wall at East Ninety-fourth street section on East river, and East One Hundred and Tenth-street section on the Harlem river	Thomas Smith	7,100 00	June 13, 1893	June 16, 1893	Aug. 1, 1893	7,100 00
446	Preparing for and building an iron awning shed, with appurtenances, on the Pier at foot of West Fifty-second street, N. R. ....	Thomas J. Sheridan	3,645 00	June 6, 1893	June 6, 1893	Oct. 28, 1893	3,645 00
447	Preparing for and paving new-made land between Dey and Barclay streets, N. R. ....	Christian Laner .... William D. Wheel- wright and Charles R. Hewitt ..	18,672 40	June 6, 1893	June 27, 1893	Sept. 29, 1893	18,672 40
448	For furnishing sawed yellow pine timber .....	Colin McLean ....	\$26.45 per thousand feet. E. M. ....	June 20, 1893	July 17, 1893	Feb. 23, 1893	42,256 12
449	Preparing for and building cribwork bulkhead on westerly side of Riker's Island .....	Bids rejected by the	\$113,824 00	June 22, 1893	June 28, 1893	July 1, 1893	115,279 00
450	Preparing for and building a rip-rap embankment at westerly side of Riker's Island, in E. st river on Long Island Sound .....	John Cox .....	\$5,355 14	July 6, 1893	July 21, 1893	Sept. 12, 1893	5,355 14
451	Preparing for and paving newly-made land for a width of 50 feet, extending from southerly cross-walk of the paved approach to Pier, new 54, N. R. to the present paved area at foot of West Twenty-fifth street with granite, etc.	F. V. Smith.....	35,785 00	July 20, 1893	Aug. 7, 1893	Nov. 20, 1893	35,785 00
452	Preparing for and paving new-made land between Franklin street and Duane street, on the North river, with granite or Staten Island syenite blocks, laying crosswalks and building necessary drains, etc. ....	Bids rejected by the	Board July 6, 1893	July 20, 1893	Aug. 7, 1893	Nov. 20, 1893	35,785 00
453	Preparing for and building an iron awning shed on Pier at foot of Thirty-third street, E. R. ....	John W. Flaherty..	\$21,765 00	July 6, 1893	July 12, 1893	Dec. 20, 1893	21,765 00
454	Preparing for and building a new wooden pier at foot of West Fifteenth street, N. R., and removing existing pier .....						

No.	DESCRIPTION OF CONTRACT.	CONTRACTOR.	CONTRACT PRICE.	DATE OF AWARD.	DATE OF CONTRACT.	DATE OF EXPIRATION.	AMOUNT PAID TO APRIL 30, 1894.
455	Furnishing granite stones for bulkhead or river-wall.	John Pierce.....	Class 1 : 97 cents per cubic foot; Class 2 : \$1.37 per cubic foot.....	Aug. 3, 1893	Sept. 12, 1893	Apr. 15, 1894	\$37,514 31
456	Furnishing sawed yellow pine timber.....	H. M. Loud.....	\$26.95 per thousand feet, B. M.....	Aug. 30, 1893	Sept. 6, 1893	Mar. 10, 1894	43,054 91
457	Furnishing granite stones for bulkhead at river wall.	James Symington ....	Class 1 : 95 cents per cubic foot; Class 2 : \$1.34¾ per cubic foot.	Aug. 30, 1893	Sept. 22, 1893	Jan. 20, 1894	35,931 09
458	For dredging in slip between Piers, old 4 and 5, and in slip between Piers, old 53 and 54. E. R.....	Atlantic Dredging Co	34 cents per cubic yard...	Aug. 29, 1893	Sept. 11, 1893	Oct. 28, 1893	3,401 70
459	Preparing for and building a new dumping-board on Pier 42, near foot of Canal street, N. R.....	Spearin & Preston ...	\$4.175 00	Sept. 12, 1893	Sept. 22, 1893	Feb. 7, 1894	4,175 00
460	Dredging at Pier, new 40, and Pier, new 59, N. R.....	James P. Carson .....	18 cents per cubic yard...	Sept. 5, 1893	Oct. 7, 1893	Nov. 18, 1893	9,865 44
461	Removal of Pier, old 29, the shed and other structures thereon, N. R.....	Moses Engle.....	\$1,690 00	Oct. 26, 1893	Nov. 10, 1893	Jan. 15, 1894	1,640 00
462	Furnishing about 1,200 tons of anthracite coal.....	Moquin & Offerman .	\$4.18 per ton.....	Jan. 25, 1894	Feb. 3, 1894	July 1, 1894	1,959 38
463	Repairing Pier at foot of West Forty-fourth street, N. R.....	Barth S. Cronin.....	\$8,939 00	Jan. 18, 1894	Feb. 1, 1894	Mar. 29, 1894	6,121 19
464	Furnishing about 8,000 barrels Portland cement.....	Atlas Cement Co.....	\$1.81 per barrel .....	Jan. 25, 1894	Feb. 5, 1894	July 1, 1894	2,047 50
465	Furnishing cobble and rip-rap stones, and sand and broken stone.....	Bids rejected by the John C. Orr .....	Board, February 8 and Class 1 : \$20.58 per thous- and feet, B. M.; Class 2 : \$20.52 per thousand feet, B. M.; Class 3 : \$20.25 per thousand feet, B. M.....	March 22, 1894			
466	Furnishing sawed spruce timber.....						
467	Furnishing Manilla hemp rope and other cordage....	Michael Cavanagh....	\$2,536 09	Mar. 8, 1894	Mar. 26, 1894	July 1, 1894	.....
468	Building and furnishing a movable steam derrick, with all appurtenances.....	New York Building and Contracting Co. Henry A. Rogers, for Classes 1, 2 and 4.....	2,050 00	Mar. 6, 1894	Mar. 20, 1894	May 1, 1894	.....
469	Furnishing steam-fittings, wrought-iron, steel tools and pier iron .....	Thomas F. Nunan, for Class 3.....	Class 1 : \$325; Class 2 : \$445; Class 4, \$7,750..	Mar. 8, 1894	Mar. 20, 1894	May 1, 1894	.....
470	Furnishing sawed yellow pine timber .....	Wheelwright & Hewitt	Class 3 : \$601..... \$21.33 per thousand feet, B. M.....	Mar. 8, 1894	Mar. 28, 1894	May 1, 1894	.....
				Mar. 29, 1894	Apr. 18, 1894	Nov. 1, 1894	.....

STATEMENT  
OF  
REVENUES AND DISBURSEMENTS.  

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ACCOUNT  
WITH  
THE MAYOR, ALDERMEN AND COMMONALTY,  
AND  
BALANCE SHEET FOR APRIL 30, 1894.





## STATEMENT OF REVENUES AND DISBURSEMENTS.

*Account with the Mayor, Aldermen and Commonalty, and Balance Sheet for April 30, 1894.*STATEMENT OF THE REVENUES AND DISBURSEMENTS OF THE DEPARTMENT OF DOCKS FOR AND  
DURING THE YEAR ENDING APRIL 30, 1894.

## DOCK AND SLIP RENT.

## I.—REVENUE :

1. Amount of accrued rents uncollected April 30, 1893, as per report for year ending that date	\$5,303 39	
Amount of rents accruing and wharfage collected during the year ending April 30, 1894, to wit :		
2. To lessees of corporation wharf property and occupants of land under water, the property of the Corporation, covered by wharf improvements erected by permission of the Department.....	\$1,721,806 92	
3. Amount of wharfage collected within the year from unleased corporation wharf property.....	117,851 86	
		1,839,658 78
		<u>\$1,844,962 17</u>

## II.—DISTRIBUTION :

## Cash—

Amount of moneys deposited with the Chamberlain prior to May 1, 1893, being in payment, in advance, of rents accruing therefor.....	\$1,487 50	
Amount of moneys deposited during the year with the Chamberlain to the credit of the Commissioners of the Sinking Fund for the Redemption of the City Debt.....	1,788,092 30	\$1,789,579 80

Deduct these amounts included in the said moneys, but not applicable to rents payable during the year, to wit :

Sums received at public sale of leases of corporation wharf property, being deposits made by purchasers as security for the execution on their part of their leases respectively, which leases are to date from May 1, 1894, or subsequently, and which deposits are to be applied as rent first accruing under such leases as shall be duly completed, or in default to become forfeited.....	\$806 25	
Proceeds of sale of old material.....	507 38	
Collections received from Counsel to the Corporation in settlement of claims placed in his hands prior to May 1, 1893....	400 00	1,713 63
Leaving this amount deposited during the year as rents and wharfage from corporation wharf property (except from premises in use under ferry leases made with the Comptroller).....	\$1,787,866 17	
Claims for unpaid rents placed in the hands of the Counsel to the Corporation for collection during the year.....	4,627 91	
Sundry unpaid rents.....	52,468 09	<u>\$1,844,962 17</u>

## DOCK BONDS.

Total amount of " Dock Bonds of the City of New York," issued by direction of the Commissioners of the Sinking Fund, for the uses and purposes of the Department of Docks, from the date of its organization in May, 1870, to April 30, 1894.....	<u>\$26,203,000 00</u>
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## DOCK FUND.

## I.—RECEIPTS :

1. Amount of proceeds of Docks Bonds approximated as being in the hands of the Comptroller on May 1, 1893, for the uses and purposes of this Department, as per Annual Report for the year ending April 30, 1893.....	\$2,587,296 39	
2. Amount of proceeds of Dock Bonds directed to be issued by the Commissioners of the Sinking Fund.....	1,500,000 00	
3. Amount of moneys received in and during the year, and deposited with the Chamberlain for the uses and purposes of the Department ; being reimbursements for the costs of repairs to wharf properties not owned by the Corporation, and for the use of the Department appliances and dumping-grounds, furnishing maps, tracings, etc.....	25,821 76	\$4,113,118

## II.—EXPENDITURES :

Amount of bills and claims audited in and during the year ending April 30, 1894, and transmitted to the Finance Department for payment, being for materials and supplies furnished, and for services rendered to this Department, to wit :

1. *For Construction—*

For bills and claims audited as per Schedule B..	\$1,074,703 95	
Less amount erroneously charged previous year.	85 00	
	<u>1,074,618 95</u>	
As per Schedule C :		
Salaries of the Commissioners.....	15,000 00	
Salaries of the Construction force.....	85,328 08	
Pay-rolls of Surveyor's force—Captains, Engineers, crews and Watchmen on floating property, Dock-builders, Laborers, Blacksmiths, Carpenters and Masons, etc., on Construction force. ....	611,289 27	\$1,786,236 30

2. *For General Repairs—*

For bills and claims audited as per Schedule D.....	\$112,116 94	
As per Schedule E :		
Pay-rolls of Dock-builders, Watchmen, Carpenters, Inspectors and Engineers on General Repairs Force.....	48,299 12	\$160,416 06

3. *For Annual Expense—*

For bills and claims audited as per Schedule F .....	\$8,700 38	
As per Schedule G :		
Salaries of officers and appointees .....	60,837 36	69,537 74
As per Schedule H :		

4. *For Acquired Property—*

For property acquired .....	782,265 63	\$2,798,455
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## III.—BALANCE :

Amount of proceeds of Dock Bonds in the hands of the Comptroller on April 30, 1894, for use of this Department .....	\$1,314,662
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NEW YORK, April 30, 1894.

Respectfully submitted to the Board,

JOHN M. PHELAN, Chief Clerk.

*The Mayor, Aldermen and Commonalty of the City of New York in Account with the Board  
of the Department of Docks for and during the Year ending April 30, 1894.*

DR.

CR.

To deposits of money with the Chamber- lain .....	\$1,813,914 06	By balance, April 30, 1893, as per the report for the year ending that date..	\$5,423,843 60
To bills and claims audited for materials and supplies furnished and for services rendered, to wit :		By dock and slip rent .....	1,839,658 78
On Construction account .....	1,786,236 30	By requisition for Dock Bonds.....	1,500,000 00
On General Repairs account .....	160,416 06	By reimbursements for repairs to private wharves and for use of Department plant .....	4,030 76
On Annual Expense account.....	69,537 74	By rent advances .....	806 25
To compromise settlement by Corpora- tion Counsel for rent of land under water for platform north of Seventy- fourth street, E. R .....	200 00	By sale of maps, etc .....	77 00
Balance carried forward .....	5,018,960 37	By sale of dump tickets.....	21,614 00
		By moneys credited to Dock Fund.....	25,821 76
		By sale of old material .....	507 38
		By fines and penalties .....	100 00
		By increased value of floating plant .....	32,805 00
	\$8,849,264 53		\$8,849,264 53

By balance, April 30, 1894..... \$5,018,154 12

DR.

*Balance Sheet April 30, 1894.*

CR.

Contingent Fund.....	\$1,000 00	The Mayor, Aldermen and Commonalty of the City of New York .....	\$5,018,154 12
Sundry claims for unpaid rents in hands of Counsel to the Corporation for collection (as per Schedule J).....	84,204 45	Rents paid in advance of May 1, 1894....	806 25
Judgments (as per Schedule K).....	121,457 46		
Dock Fund.....	1,314,662 42		
Floating plant (as per Schedule L) .....	344,950 00		
Acquired real property.....	3,100,217 95		
Sundry unpaid rents.....	52,468 09		
	\$5,018,960 37		\$5,018,960 37

SCHEDULE A.

LEDGER BALANCES, APRIL 30, 1894.

DR.	FOLIO.		CR.
\$3,100,217 95	1	Acquired property .....	.....
69,537 74	3	Annual expense .....	.....
1,786,236 30	7	Construction .....	.....
160,416 06	11	General repairs .....	.....
1,288,840 66	15	Dock fund.....	.....
.....	19	Dock and slip rent.....	\$1,839,658 78
.....	23	The Mayor, Aldermen and Commonalty of the City of New York	6,956,448 60
1,813,914 06	28	Joseph J. O'Donohue, City Chamberlain.....	.....
1,000 00	31	Contingent fund.....	.....
344,950 00	33	Floating plant.....	.....
.....	35	Dump tickets.....	21,614 00
.....	37	Repairs for private owners.....	4,030 76
.....	39	Sale of maps.....	77 00
.....	41	Sale of old material .....	507 38
.....	43	Fines and penalties.....	100 00
121,457 46	45	Judgments recovered.....	.....
.....	47	Rent advances.....	806 25
125 00	81	Brooks, Thomas J.....	.....
11,750 00	89	Baltimore and Ohio Railroad Company.....	.....
350 00	205	Eccles, John L.....	.....
500 00	253	Hudson Tunnel Railway Company.....	.....
30,666 00	279	International Navigation Company .....	.....
37 50	287	John Kress Brewing Company.....	.....
181 25	325	McCarthy, John H.....	.....
2,083 34	373	New York and Northern Railroad Company.....	.....
225 00	443	Riverside and Fort Lee Ferry Company.....	.....
84,204 45	450	Sundry debtors. ....	.....
3,775 00	457	Starin, John H.....	.....
2,775 00	461	Sheridan & Byrne.....	.....
\$8,823,242 77			\$8,823,242 77

## SCHEDULE B.

## BILLS AND CLAIMS AUDITED ON CONSTRUCTION ACCOUNT.

*Advertising.*

New York News Publishing Company.....	\$739 30	
"New York Zeitung".....	70 80	
"The Sun".....	801 20	
	<hr/>	\$1,611 30

*Cement.*

Bactjer & Meyerstein.....	\$31,299 07	
James Brand.....	15,629 69	
Atlas Cement Company.....	983 01	
	<hr/>	47,911 77

*Coal.*

Sperry & Popham Coal Company.....	\$1,500 00	
David Duncan & Son.....	8,496 09	
Stokes & Thedford.....	1,118 93	
Burns Bros.....	250 00	
S. Stewart.....	633 60	
E. Fincken's Sons & Co.....	293 00	
	<hr/>	12,291 62

*Contracts for Furnishing Granite, Cement, Timber, Coal, Building Piers and Bulkheads, and Dredging.*

R. & P. Staats.....	\$5,197 76	
Henry S. Lampher.....	26,433 30	
Theodore F. Booth.....	15,106 12	
John Peirce.....	53,482 36	
Morris & Cumings Dredging Company.....	15,077 09	
John W. Flaherty.....	55,237 00	
James Baird.....	20,406 89	
Thomas Smith.....	11,600 00	
P. Sanford Ross.....	4,616 64	
Christian Lauer.....	18,672 40	
Barth. S. Cronin.....	18,872 19	
William D. Wheelwright and Charles R. Hewitt.....	42,256 12	
Colin McLean.....	115,272 00	
John Cox.....	5,355 14	
F. Vinton Smith.....	35,785 00	
Thomas J. Sheridan.....	3,725 00	
Sheridan & Byrne.....	2,850 00	
James Symington.....	35,931 09	
H. M. Loud.....	43,054 91	
Mathew Baird.....	26,079 43	
Spearon & Preston.....	4,175 00	
Moses Engle.....	1,640 00	
Moquin & Offerman.....	1,959 38	
Atlas Cement Co.....	2,047 50	
	<hr/>	564,832 32

*Drawing Materials, Surveyor's Instruments, etc.*

A. Schrader & Son.....	\$535 65	
Stockpole & Bro.....	642 00	
The Lineograph Company .....	18 00	
F. W. Devoe & C. T. Raynolds Company.....	365 24	
T. Eckel.....	30 00	
Kueffel & Esser.....	44 80	
E. G. Soltman.....	140 00	
	<hr/>	\$1,71

*Dredging.*

Morris & Cumings Dredging Company.....	\$64,623 59	
Chas. Du Bois.....	948 80	
Babcock, Lary & Co.....	7,556 57	
	<hr/>	73,12

*General Expenses including Workmen's Tools and Maintenance of Floating Property and Department Yards.*

Hodgman Rubber Company.....	\$2,497 46	
The American Forcite Powder Munufacturing Company.....	3,042 58	
Metropolitan Telephone and Telegraph Company.....	3,121 85	
James J. Phelan, Treasurer, for employees' car-fares and supplies paid for out of petty cash.....	3,382 90	
R. Hoe & Co.....	74 00	
Wyckoff, Seamans & Benedict.....	132 50	
Alexander Pollock.....	1,047 98	
X. Stoutenborough.....	74 50	
The Foster Manufacturing Company.....	131 00	
W. & B. Douglas.....	32 00	
Phillips & Francisco.....	2,569 91	
Consolidated Gas Company.....	38 87	
Thomas Kelly.....	392 00	
C. Burnett.....	568 77	
J. H. Bunnell & Co.....	765 05	
David Clark.....	200 00	
John Beck.....	48 00	
Central Ice Company.....	58 50	
Commonwealth Ice Company.....	23 76	
John Early & Co.....	803 30	
Annin & Co.....	52 50	
H. W. Johns Manufacturing Company.....	325 43	
E. Waller.....	40 00	
Boston and Lockport Block Company.....	396 96	
F. E. Davis.....	50 00	
Frank M. Coffin.....	87 94	
Corn Exchange Bag Company.....	135 00	
Kurtz Bag Company.....	865 00	
Thomas Martin.....	13 00	
H. A. Rogers.....	240 00	
Gas Engine and Power Company.....	1,309 50	
Wm. Lynch.....	52 00	

J. F. B. Calkin.....	\$39 00	
J. Murray.....	10 50	
J. Sloane.....	9 94	
York Belting and Packing Company.....	225 50	
son Bros.....	142 46	
Gutta Percha Rubber Company.....	105 50	
ia Clock Company.....	8 50	
Raymond Lifeboat Company.....	76 00	
rd Place.....	46 00	
Belting and Packing Company.....	37 91	
Boyle & Co.....	75 02	
Vallely.....	189 00	
D. Leary.....	14,060 31	
		<hr/>
		\$37,597 90

*Granite, Broken Stone, Rip-rap, Cobble and Sand.*

J. & Fleming.....	\$25,053 65	
m Turner.....	2,897 37	
Sheridan.....	15,029 11	
n River Stone Supply Company.....	5,394 53	
r Contracting Company.....	12,604 87	
y & Co.....	2,226 20	
McLaughlin.....	679 32	
Godfrey.....	171 00	
Symington.....	210 21	
		<hr/>
		64,266 26

*Iron, Steel, Spikes, Bolts, Washers, Nails and Mooring-posts.*

der Pollock.....	\$11,944 52	
bian Foundry.....	849 94	
ie, Wyatt & Co.....	9,423 04	
on N. Motley & Co.....	5,438 19	
n Bros.....	5,046 06	
wood Manufacturing Company.....	174 80	
n Gaskell & Son.....	511 76	
Drill Company.....	178 94	
ogers.....	1,029 03	
ll & Sergeant Rock Drill Company.....	152 91	
Worthington.....	107 00	
DuBois.....	124 55	
le & Towne Manufacturing Company.....	252 00	
immes' Son.....	8,294 35	
Deeley & Co.....	5,450 00	
O'Crowley.....	15 00	
rage Battery Supply Company.....	185 00	
rk Safety Steam Power Company.....	332 50	
B. Leddy.....	94 30	
Robertson.....	100 00	
ros.....	670 72	
oyd.....	597 44	



John A. Roebling's Sons Company.....	\$519 91
Joseph Edwards & Co. ....	168 50
Eckford Iron Works.....	142 60
Isaac Hall's Sons .....	408 25
Rumsey & Co .....	13 50
The Fairbanks Company.....	319 58
Niles Tool Works .....	420 00
G. L. Stuebner & Co.....	656 65
Heipershausen Brothers.....	2,135 85
Taunton Copper Company.....	17 12
M. M. Corwin.....	100 73
James J. Carey.....	34 03
Nation Sheet Metal Roofing Company.....	131 30
Hall, Grippen & Co.....	50 00
Jersey City Chemical Company.....	188 80
Dame & Townsend Company.....	20 25
Charles E. Dowdall.....	395 00
H. B. Newhall Company .....	271 23
The Osborne & Broderick Company.....	463 27
Robert Smack & Co .....	161 62
Brown & Miller.....	455 00
The George F. Blake Manufacturing Company.....	30 72
The Farrell Foundry and Machine Company .....	1,340 00
J. L. Mott Iron Works .....	10 70
McNab & Harlin Manufacturing Company .....	953 43

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\$60,
*Lumber, Piles, etc.*

A. J. Murray ....	\$54,563 73
Bell Brothers .....	10,664 11
C. & R. Poillon .....	40 14
Abraham Steers.....	2,462 70
William B. Ferguson & Son .....	26 00
East River Mill and Lumber Company.....	5,123 27
William H. Beard.....	850 00
Johnson Brothers.....	157 25
William D. Wheelwright & Co.....	1,434 57
Graves & Steers.....	18,387 95
George Karr & Co .....	225 41
Wood & Robinson .....	140 65
Charles N. Kimpland .....	22,657 50
John T. Walsh, Jr .....	970 28
John T. Muller.....	500 00
Robinson & Booth.....	665 15
John I. Goodrich.....	2,450 78
E. Mors & Co .....	5,500 00
William Taylor.....	11,684 24
George L. Schuyler & Co .....	339 37
Theo. F. Booth .....	267 95
Carroll Box and Lumber Company.....	1,174 10
Winger & Russell.....	519 66
Winger & Co.....	1,991 80

ms H. Simonson & Son .....	\$29 80	
Edsdon .....	99 10	
s D. Leary .....	13,591 00	
Loud .....	13,575 48	
w Pine Company .....	291 56	
gh Valley Creosoting Company .....	3,477 74	
Motley .....	2,113 36	
luff, Conklin & Bayer .....	17 80	
am R. Cock .....	35 00	
	<hr/>	\$176,028 <sup>45</sup>

*Paving.*

ms Smith .....	\$3,007 88	
ms Gearty .....	8,300 00	
am G. Smith .....	414 20	
Neuchatel Asphalt Company .....	61 00	
Trinidad Asphalt Refining Company .....	179 48	
	<hr/>	11,962 56

*Paints, Oils, etc.*

ary Haggerty .....	\$1,211 34	
Forster Manufacturing Company .....	110 79	
. Devoe & C. T. Raynolds Company .....	424 85	
sylvania and Delaware Oil Company .....	86 86	
Walker Chemical Company .....	111 60	
e Brothers .....	215 42	
nas C. Dunham .....	591 45	
ard & Ellis .....	212 68	
ander Pollock .....	697 80	
mbia Refining Company .....	46 31	
	<hr/>	3,709 10

*Printing, Stationery, etc.*

in B. Brown .....	\$5,278 77	
Cyclostyle Company .....	28 10	
Neostyle Company .....	21 25	
	<hr/>	5,328 12

*Rope.*

rau, Aymar & Co .....	\$966 12	
nagh & Thompson .....	577 46	
ers Brothers & Co .....	403 32	
nder Pollock .....	2,088 95	
s S. Barron & Co .....	519 93	
ohn Good Cordage Company .....	1,910 74	
on E. Moore .....	40 00	
	<hr/>	6,506 52

*Towing.*

Harris, agent .....	\$2,182 92	
oran .....	563 75	
ershausen Brothers .....	4,626 62	
	<hr/>	7,373 29
Total .....		<hr/> <u>\$1,074,703 95</u>

SCHEDULE C.

SALARIES AUDITED ON CONSTRUCTION ACCOUNT.

*Commissioners.*

J. Sergeant Cram.....	\$5,000 00
James J. Phelan.....	5,000 00
Andrew J. White .....	5,000 00

\$15,c

*Construction Force.*

G. S. Greene, Jr.....	\$6,000 00
Andrew McC. Parker.....	3,566 66
David F. McCarthy .....	3,416 66
Frederick P. Thompson .....	3,000 00
John A. Bensel.....	2,900 00
S. W. Hoag, Jr.....	2,500 00
Godfrey P. Farley.....	2,300 00
Edward Gottschal.....	2,133 28
C. W. Staniford.....	2,100 00
Henry C. Freeman....	2,000 00
John H. Corley.....	1,980 00
Allen N. Spooner.....	1,860 00
George A. Button.....	1,800 00
Berthold Sommer.....	1,800 00
William S. White.....	1,750 00
John M. Stewart....	1,550 00
Eugene Lentilhon.....	1,500 00
William Selmer.....	1,500 00
Bernard Rolf.....	1,500 00
Hiram C. Calkins.....	1,500 00
George E. Rodgers.....	1,500 00
Joseph Thompson.....	1,500 00
Lucius C. Higgins.....	1,500 00
John T. Hilton.....	1,500 00
Chandler Davis.....	1,500 00
Frederick Lange.....	1,500 00
Robert M. Kid.....	1,500 00
John A. Duntze..	1,500 00
J. Frank Johnson.....	1,500 00
Peter C. Spence.....	1,475 00
James J. White.....	1,375 00
Otto H. Klein.....	1,250 00
Robert M. Sterritt.....	1,200 00
John T. L. Doughty.....	1,200 00
William G. Johnson.....	1,200 00
Nicholas J. Van der Wyde.....	1,200 00
Gerald S. Griffin.....	1,200 00
John J. Boyle.....	1,200 00
Alexander M. Goge.....	1,100 00
Patrick H. McCullough.....	1,080 65
J. W. Balet.....	1,080 00
Thomas P. T. Nash.....	1,066 64

William V. Smith.....	\$1,049 97	
Ed H. Lane.....	1,049 97	
W. Ingalls.....	1,049 97	
er C. Gildersleeve.....	1,040 00	
iam McDonald.....	960 00	
icis O'Neill.....	925 00	
olas F. Kinnaly.....	750 00	
iam M. MacLay.....	666 66	
iam H. Cherry.....	583 31	
ield S. Lasher.....	450 00	
ry R. McCready.....	219 64	
mas F. Creegan.....	219 64	
io Bauer.....	202 37	
iam J. Crowley.....	160 00	
l J. Quinn.....	75 00	
ustus Luersen.....	75 00	
mas Ahearn.....	42 50	
ph H. Crotty.....	25 16	
	<hr/>	\$85,328 08

*paying Force, Captains, Engineers, Crews and Watchmen on Floating Property, Dock Builders, Laborers, etc., on Construction Force.*

Monthly pay-rolls from May 1, 1893, to May 1, 1894.....	611,289 27	
	<hr/>	\$711,617 35

#### SCHEDULE D.

##### BILLS AND CLAIMS ON GENERAL REPAIRS ACCOUNT.

###### *Advertising.*

York News Publishing Company.....	\$276 85	
ew York Zeitung".....	39 00	
e Sun".....	105 60	
	<hr/>	\$421 45

###### *Contracts for Repairs and Dredging.*

nford Ross.....	\$13,326 30	
es DuBois.....	12,751 60	
s & Cumings Dredging Company.....	18,029 36	
P. Carson.....	9,865 44	
as J. Sheridan.....	3,645 00	
	<hr/>	57,617 70

###### *Dredging.*

s & Cumings Dredging Company.....	\$22,662 65	
s DuBois.....	739 58	
ic Dredging Company.....	3,401 70	
	<hr/>	26,803 93

*Lumber and Piles.*

Bell Brothers .....	\$7,560 73	
Wood & Robinson.....	5,041 54	
Graves & Steers .....	1,512 58	
Charles P. Kimpland .....	553 00	
Robinson & Booth.....	129 87	
J. L. Mumford & Sons .....	591 26	
Willson Adams & Co .....	841 49	
William Taylor .....	65 00	
East River Mill and Lumber Company.....	840 00	
	<hr/>	\$17,

*Stationery and Printing.*

Martin B. Brown. ....	
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*Sprinkling and Carting.*

Thomas Kelly .....	\$3,694 25	
Peter Murray.....	288 75	
Dennis J. Tiolan .....	843 50	
Michael Hart.....	421 75	
James Hogan.....	148 75	
Edward McKeever.....	1,779 75	
	<hr/>	7,

*Miscellaneous.*

Zimdars & Hunt.....	\$72 00	
Thomas Smith.....	975 00	
C. W. Morgan.....	202 80	
John F. Baxter.....	200 00	
John Beck.....	48 00	
William B. Leddy.....	100 62	
New York Coal-tar Chemical Company.....	229 50	
Isaac Hall's Sons.....	336 00	
H. A. Rogers. ....	21 00	
Greenlie, Wyatt & Co.....	90 12	
J. L. Mott Iron Works.....	78 85	
	<hr/>	2,
		<hr/>
		<hr/>
		\$112,

## SCHEDULE E.

## PAY-ROLLS AUDITED ON GENERAL REPAIRS ACCOUNT.

*Dock Builders, Laborers, Watchmen, Carpenters, Inspectors and Engineers of (*  
*Repairs Force.*

Weekly pay-rolls, from May 1, 1893, to May 1, 1894..... \$48,

## SCHEDULE F.

## BILLS AND CLAIMS AUDITED ON ANNUAL EXPENSE ACCOUNT.

*Advertising.*

"The Sun" .....	\$157 60	
New York News Publishing Co.....	121 20	
	<hr/>	\$278 80

*Printing and Stationery.*

John B. Brown .....		6,434 82
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*Miscellaneous.*

Early & Co. ....	\$251 80	
James J. Phelan, Treasurer, for employees' car-fares and supplies paid for out of petty cash.....	704 52	
Consolidated Gas Company.....	588 99	
McKoff, Seamans & Benedict.....	57 50	
McK & Wilkins.....	15 00	
Knickerbocker's Sons & Co.....	56 00	
Commonwealth Ice Company.....	86 00	
John J. Vallely.....	32 50	
McK Bros.....	18 60	
Wm. Miller, Jr.....	175 85	
	<hr/>	1,986 76
		<hr/>
		<u>\$8,700 38</u>

## SCHEDULE G.

*Salaries Audited on Annual Expense Account.*

Thomas T. Docharty.....	\$4,800 00
James M. Phelan .....	2,691 94
James J. Farley.....	2,400 00
John Weir .....	2,400 00
Samuel S. Kellogg.....	2,000 00
James W. Balch .....	2,000 00
John A. Gregory, Jr.....	1,862 63
John S. Hillman.....	1,800 00
John J. McInerney.....	1,500 00
James E. Foran.....	991 67
James E. Moon.....	212 90
John E. Stack.....	2,100 00
John d. Abeel.....	2,100 00
John J. Fleming.....	2,100 00
John A. Monaghan.....	2,100 00
John B. Osborne .....	2,100 00
John J. Martin.....	2,100 00
James P. Walsh.....	2,100 00
James S. Coye.....	2,100 00
John A. Woods.....	2,100 00
Thomas F. Kenney.....	2,100 00
John W. Carson .....	2,100 00

Joseph F. Meehan.....	\$2,100 00	
Henry A. Palmstine.....	2,100 00	
William J. Armstrong.....	900 00	
Robert Heaton .....	333 55	
Thomas C. Carroll .....	900 00	
Bernard P. Gibney.....	868 71	
Daniel D. Barry .....	875 48	
Robert E. Reilly.....	820 00	
Robert Aram.....	699 19	
Owen Tierney.....	699 19	
Henry Watts .....	625 35	
Turner H. Baylis .....	825 00	
Alfred G. Dutton .....	588 33	
George H. Irwin.....	446 61	
John H. McGowan.....	293 55	
Clifford Atkinson.....	212 90	
Peter T. Monaghan.....	130 00	
Patrick H. Bird.....	190 36	
Crawford Mason .....	65 00	
Thomas J. Larkin.....	65 00	
William E. Morgan.....	65 00	
William J. Tubbs.....	65 00	
George J. Tierney.....	65 00	
Max Silverberg.....	65 00	
Mary Dowling.....	540 00	
Catharine Lyons... ..	540 00	
		\$60,837

## SCHEDULE H.

### BILLS AND CLAIMS AUDITED ON ACQUIRED PROPERTY ACCOUNT.

Claims for wharf property purchased during the year :

Mary J. Van Auken.....	\$2,530 00	
The West Shore and Ontario Terminal Company.....	365,000 00	
Daniel D. Lord, or Lord, Day & Lord, attorneys....	52,077 94	
Cornelius F. Kingsland and others .....	27,912 80	
Charles Ray King and others, or Edward L. Baylies, attorney ..	45,833 08	
Schuyler Van Cortland Hamilton and others.....	23,114 13	
Mary Ray de Courval and Mary Madeline Isabel de Noailles...	27,225 24	
Nathaniel E. Baylies, or Edmund L. Baylies, attorney .....	23,113 08	
John S. McLean.....	126,502 53	
Francis S. Halstead and J. M. Halstead .....	81, 17	
Francis S. Halstead et al .....	26,301 06	
John G. Wendel.....	22,435 15	
Frank A. Irish, attorney.....	1,888 65	
Thomas Lenane et al .....	34,706 90	
William H. Hall .....	400 00	
Robert L. Wensley .....	505 45	
William H. Clark, Counsel to the Corporation.....	1,906 45	
		\$782,265

## SCHEDULE I.

WHARFAGE COLLECTED DURING THE YEAR ENDING APRIL 30, 1894.

*North River.*

Bulkhead at the Battery.....	\$4,607 53
"    between Piers, new 13 and 14.....	561 00
Pier, new 14.....	759 39
Bulkhead between Piers, new 14 and 15.....	647 33
Pier, new 15.....	7,120 26
Bulkhead between Piers, new 21 and 22....	561 56
Pier, new 22.....	93 38
Bulkhead between Piers, new 22 and 23.....	190 00
"            "            23 and 24.....	145 00
"            "            24 and 25.....	1,057 50
"            "            28 and 29.....	327 00
Pier, old 42.....	1,025 04
Bulkhead between Piers, new 35 and 36.....	354 00
"            "            36 and 37.....	618 00
"            "            37 and 38....	24 50
"            "            38 and 39.....	117 94
"            "            39 and 40.....	713 45
"            "            41 and 42.....	343 53
"            "            42 and 43.....	370 90
Pier, new 43.....	364 54
Pier, old 54.....	2,113 24
Bulkhead at West Tenth street.....	10,144 50
"    at West Eleventh street.....	579 00
"    and Pier at Bogert street.....	1,897 97
"            "    Bloomfield street.....	1,143 70
"    at Little West Twelfth street.....	7 41
Pier at West Thirteenth street.....	1,966 72
"    West Fifteenth street.....	265 58
"    West Nineteenth street.....	1,230 86
"    West Twentieth street.....	3,108 72
Bulkhead between Piers, new 54 and 55.....	1,298 50
"            "            56 and 57.....	2 68
"            "            57 and 58.....	232 99
"            "            58 and 59.....	270 96
Pier, new 59.....	15 42
Bulkhead between Piers, new 59 and 60.....	1,475 58
Pier at West Thirty-fourth street.....	3,216 46
"    West Forty-fourth street.....	913 15
"    West Forty-seventh street.....	810 01
"    West Forty-eighth street.....	1,438 36
Bulkhead at West Fiftieth street.....	3,795 29
Pier at West Fifty-second street.....	1,735 77
"    West Fifty-fifth street.....	1,146 27
Bulkhead between West Fifty-fifth and West Fifty-sixth streets....	20 00
Pier at West Fifty-sixth street.....	731 22
Bulkhead between West Seventy-fifth and West Seventy-sixth streets	354 09



Bulkhead between West Seventy-sixth and West Seventy-seventh streets.....	\$219 17
Bulkhead between West Seventy-seventh and West Seventy-eighth streets.....	240 50
Bulkhead between West Seventy-eighth and West Seventy-ninth streets.....	498 15
Pier at West Seventy-ninth street.....	360 48
Bulkhead between West Seventy-ninth and West Eightieth streets...	348 00
"    West Eighty-first and West Eighty-third streets..	165 93
"    West Eighty-fourth and West Eighty-fifth streets,	100 00
"    West Eighty-fifth and West Eighty-sixth streets..	151 50
Bulkhead at West Ninety-second street.....	62 50
"    West Ninety-fourth street.....	8 34
"    West Ninety-sixth street.....	464 50
Bulkhead between West Ninety-seventh and West Ninety-eighth streets .....	4 50
Bulkhead between West Ninety-eighth and West Ninety-ninth streets	498 54
Bulkhead between West One Hundred and First and West One Hundred and Second streets.....	56 25
Bulkhead at West One Hundred and Seventh street.....	17 50
Bulkhead between West One Hundred and Twenty-ninth and West One Hundred and Thirtieth streets.....	70
Pier at West One Hundred and Thirty-first street.....	90
Bulkhead between West One Hundred and Thirty-first and West One Hundred and Thirty-second streets.....	530 95
Pier at West One Hundred and Thirty-second street .....	428 16
Bulkhead between West One Hundred and Thirty-second and West One Hundred and Thirty-third streets.....	237 90
Pier at West One Hundred and Thirty-third street.....	10 78
"    West One Hundred and Thirty-fourth street.....	184 05
"    West One Hundred and Fifty-first street.....	18 00
"    West One Hundred and Fifty-second street .....	148 42
Bulkhead at West One Hundred and Fifty-fourth street.....	50 00
"    West One Hundred and Fifty-fifth street.....	51 36
"    West One Hundred and Fifty-seventh street .....	7 00
Pier at West One Hundred and Fifty-eighth street.....	760 49
Land under water at West One Hundred and Sixty-second street....	6 00
Land under water between West One Hundred and Sixty-eighth and West One Hundred and Sixty-ninth streets.....	36 00

Total amount of wharfage on the North river.....	<u>\$65,582</u>
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*East River.*

Pier, new 6 .....	\$4,654 81
"    12.....	1,719 93
"    19 .....	4,578 01
Bulkhead at Pier 20.....	183 00
Pier, new 29.....	3,219 27
"    32 .....	6,464 79
Bulkhead at Pier 40 .....	441 65

Pier 43.....	\$1,376 56
" 44.....	527 89
" 48.....	5,741 41
Bulkhead at Corlears street.....	50 02
Pier 55.....	602 74
" 56.....	817 46
" 57.....	728 55
" 58.....	865 97
" 61.....	554 46
" 62.....	70 50
Pier at East Third street.....	1,640 82
Bulkhead at East Eighth street.....	118 56
" East sixteenth street.....	313 42
Pier at East Eighteenth street.....	1,682 72
" East Twenty-fifth street.....	4 50
" East Twenty sixth street.....	13 60
" East Twenty-eighth street.....	1,121 55
Bulkhead at East Twenty-ninth street.....	49 00
" East Thirtieth street.....	99 96
Pier at East Thirty-third street.....	43 92
" East Thirty-fifth street.....	227 60
" East Thirty-eighth street.....	405 86
Bulkhead at East Forty-second street.....	137 09
" East Forty-fifth street.....	120 00
" East Forty-sixth street.....	1,071 00
" East Forty-eighth street.....	113 14
" East Fiftieth street.....	150 50
" East Fifty-third street.....	337 06
" East Fifty-fourth street.....	310 25
" East Fifty-sixth street.....	137 50
Bulkhead between East Fifty-ninth and East Sixtieth streets.....	365 00
" East Sixtieth and East Sixty-first streets.....	1,006 99
" East Sixty-first and East Sixty-second streets.....	1,082 30
Bulkhead at East Sixty-second street.....	601 14
Land under water for platform in front of the south half of bulkhead between East Sixty-second and East Sixty-third streets.....	325 60
Bulkhead at East Seventy-first street.....	297 24
" East Seventy-fifth street.....	333 50
" East Seventy-sixth street.....	376 99
Bulkhead between East Seventy-eighth and East Seventy-ninth streets.....	404 33
Bulkhead at East Seventy-ninth street.....	533 67
" East Eighty-sixth street.....	954 14
" East Ninety-first street.....	17 12
Pier at East Ninety fourth street.....	310 65
Bulkhead between East Ninety-fourth and East Ninety-fifth streets..	121 67
Pier at East Ninety-fifth street.....	1,016 56
" East Ninety-sixth street.....	17 50
Bulkhead at East Ninety-sixth street.....	19 00

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Total amount of wharfage on the East river ..... \$48,478 47

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*Harlem River.*

Bulkhead between East One Hundred and Third and East One Hundred and Fourth streets .....	\$234 40
Bulkhead at East One Hundred and Fourth street .....	165 39
“ East One Hundred and Fifth street .....	27 50
“ East One Hundred and Sixth street .....	166 79
“ East One Hundred and Seventh street .....	91 18
Bulkhead between East One Hundred and Seventh and East One Hundred and Tenth streets .....	648 22
Bulkhead at East One Hundred and Ninth street .....	14 00
Pier at East One Hundred and Tenth street .....	343 61
Bulkhead at East One Hundred and Sixteenth street .....	88 30
“ East One Hundred and Twenty-fifth street .....	383 56
“ East One Hundred and Twenty-ninth street .....	120 50
“ Lincoln avenue .....	280 00
“ Lexington avenue .....	250 00
“ East One Hundred and Thirty-eighth street, east side ..	149 78
“ East One Hundred and Thirty-eighth street, north side ..	159 46
“ East One Hundred and Thirty-ninth street, east side ..	198 08
Pier at East One Hundred and Thirty-ninth street, north side .....	67 86
“ East One Hundred and Thirty-ninth street, south side .....	107 87
“ East One Hundred and Fortieth street, south side .....	168 02
Bulkhead at East One Hundred and Forty-ninth street, Long Island Sound .....	50 00
Bulkhead at East One Hundred and Fifty-third street .....	76 00
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Total amount of wharfage for the Harlem river .....	<u>\$3,790</u>

*Wharfage Collected for the Year Ending April 30, 1894.*

On North river .....	\$65,582 87
On East river .....	48,478 47
On Harlem river .....	3,790 52
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Total .....	<u>\$117,851</u>

## SCHEDULE J.

*Claims placed with the Counsel to the Corporation for Collection, and for which no return was made prior to May 1, 1894.*

Against John Darrow.....	Nov. 1, 1870.....	\$1,200 00
William Bradley... ..	July 1, 1874.....	8,750 00
Oyster Bay and Huntington Steamboat Company.....	Dec. 17, 1874.....	125 00
Henry Smith .....	Feb. 1, 1875.....	9,750 00
Benjamin Terwilliger .....	May 1, 1875.....	900 00
David Tracy.....	May 1, 1878.....	2,017 50
Alexander Mason and Robert Foster.....	May 1, 1878.....	4,227 50
Morrinia Steamboat Company.....	May 1, 1879.....	250 00
John G. Dale.....	Sept. 23, 1879.....	322 78
Sundry deficits prior to June, 1878, awaiting legal disposition } by the Law Department..... }	.....	28,038 45
Thomas C. Burke.....	July 12, 1880.....	852 99
Thomas Fitzpatrick.....	Sept. 15, 1880.....	1,237 50
Steam Yacht "Yosemite".....	June 1, 1882.....	935 93
Joseph Cooper.....	Feb. 1, 1883.....	1,375 00
John H. Baxter.....	Feb. 1, 1883....	175 00
Joseph Cooper.....	May 1, 1883, to May 1, 1884	2,750 00
William H. Wood.....	May 1, 1883, to May 1, 1884	1,562 50
Peter H. Walsh .....	Aug. 1, 1883, to May 1, 1886	3,843 75
Booth & Edgar.....	Dec. 5, 1883.....	250 00
Alexander Mason.....	Mar. 5, 1884.....	1,750 00
Morris Wazel.....	Aug. 1, 1884, to May 1, 1885	900 00
Patrick Murray.....	Nov. 1, 1884, to Feb. 11, 1885	28 01
Dennis Devine.....	For wharfage May 1, 1885..	58 90
Thomas Dore.....	For wharfage May 1, 1885..	235 50
James L. Miller..... }	21 mos. and 16 days' rent } to May 1, 1887..... }	538 15
Daniel T. Robinson.....	Nov. 1, 1888.....	177 08
F. W. Wright.....	12 mos. rent to May 1, 1890	4,000 00
Ridgewood Ice Company.....	May 1, 1892.....	3,591 66
Orrin D. Person.....	May 1, 1893.....	240 00
A. T. Decker & Co.....	May 1, 1894.....	4,121 25
		<hr/> \$84,204 45

## SCHEDULE K.

*Judgments Received by the Counsel to the Corporation for Claims for Unpaid Wharf Rents.*

WHOM AGAINST.	DATE FILED.	INTEREST INCLUDED.	AMOUNT
John D. Tracy .....	Apr. 14, 1880	\$504 75	\$3,479 75
David Tracy ..	Dec. 14, 1880	1,319 80	5,919 80
" .....	Dec. 29, 1880	3,133 56	14,213 96
" .....	Mar. 9, 1881	4,063 67	\$17,687 42
" Less received .....	Apr. 25, 1883	.....	780 00
" " .....	Mar. 20, 1891	.....	1,395 00
" " .....	Aug. 30, 1893	.....	400 00
" .....	Mar. 10, 1881	2,436 34	15,112 42
" .....	Mar. 15, 1881	377 18	10,430 46
" .....	Apr. 26, 1881	637 85	1,839 68
" .....	July 29, 1881	1,366 67	3,105 56
James H. Graham ..	June 4, 1880	99 60	6,240 53
H. A. Tidemann ..	Mar. 30, 1881	871 53	540 35
" .....	Oct. 6, 1881	611 10	4,721 53
Thomas Gaynor .....	Apr. 9, 1881	439 22	2,604 43
Thomas C. Burke .....	Jan. 15, 1881	2,389 60	2,531 72
" .....	Oct. 20, 1881	739 05	13,139 60
James Savage .....	Mar. 16, 1881	16 70	6,114 05
Herman Hastorf ..	May 17, 1880	439 63	141 70
" .....	Apr. 30, 1881	1,806 36	2,214 63
John E. Hoagland .....	Nov. 26, 1881	292 13	7,426 36
Jesse Ryder .....	Nov. 26, 1881	193 86	942 13
Empire City Ice Company ..	Jan. 27, 1882	43 15	658 86
William H. Brown ..	Feb. 16, 1882	636 31	193 15
John Burns .....	Apr. 29, 1882	7 35	2,011 31
John Brennan and others, composing West India Fruit Dealers' Association .....	July 6, 1882	2,405 55	57 35
Daniel Dailey .....	Sept. 14, 1882	3 05	11,780 55
" .....	Oct. 13, 1882	1 45	140 55
Frederick Schecker ..	Oct. 12, 1882	46 47	138 95
Collateral judgment against estate of Thomas Tone, surety for David Tracy .....	Oct. 23, 1882	.....	883 97
John D. Tracy .....	.....	.....	231 67
Dillon Ransom ..	.....	.....	991 19
Patrick Grace .....	.....	.....	1,300 00
Adolph L. Herker ..	Oct. 9, 1882	.....	251 25
			2,100 00
			\$121,457 46

## SCHEDULE 1..

*Statement of Valuation of Floating Plant, April 30, 1894.*

10-ton derrick .....	\$104,000 00
12-ton " No. 1 .....	11,000 00
12-ton " No. 2 .....	18,000 00
12-ton " No. 3 .....	18,000 00
12-ton " .....	7,000 00
Tag " Manhattan " .....	17,000 00
Tag " Pier " .....	41,000 00
Pie-driver No. 1 .....	1,000 00
" 2 .....	1,200 00
" 3 .....	1,000 00
" 4 .....	7,000 00
" 5 .....	6,000 00
" 6 .....	1,000 00
" 7 .....	1,000 00
" 8 .....	1,000 00
" 9 .....	4,000 00
" 10 .....	4,500 00
" 11 .....	4,700 00
" 12 .....	6,000 00
" 13 .....	9,000 00
" 14 .....	9,000 00
" 15 .....	5,000 00
" 16 .....	5,000 00
Deck Scow " B " .....	2,200 00
" " C " .....	700 00
" " D " .....	700 00
" " E " .....	1,500 00
" " F " .....	300 00
" " H " .....	5,000 00
" " I " .....	5,000 00
" " K " .....	5,000 00
" " L " .....	5,300 00
" " M " .....	6,000 00
" " N " .....	5,300 00
" " O " .....	5,300 00
" " P " .....	6,000 00
" " R " .....	700 00
" " S " .....	1,800 00
Boring machine " Woodcock " .....	1,700 00
Diver's Scow " A " .....	800 00
" " G " .....	400 00
" " N " .....	800 00
" " S " .....	800 00
" " T " .....	1,200 00
Naphtha engine launch No. 1 .....	500 00
" No. 2 .....	950 00
Small boats (28 yawl boats, 1 skiff, 6 sounding-boats, 2 batteaux and 1 row-boat)....	1,600 00
Steam launch " Inspector " .....	3,000 00
Total value of floating plant .....	\$344,950 00

# STATEMENT

*Of Revenues and Expenditures of the Department of Docks from the Organization of the Department in May, 1870, to April 30, 1894.*

FOR YEARS END- ING APRIL 30.	TOTAL GROSS REVENUE FROM LEASED WHARVES AND WHARFAGE.	TOTAL ANNUAL EXPENDITURES AUDITED.	SALARIES OF COMMISSIONERS.	SALARIES OF SECRETARY, CLERKS, DOCK MASTERS, ETC.	STATIONERY AND INCIDENTALS OF COMMISSIONERS' OFFICE.	SALARIES OF ENGINEER- IN-CHIEF AND SUBORDINATES.	BILLS AND CLAIMS AUDITED ON CONSTRUCTION, INCLUDING LABOR PAY-ROLLS.	BILLS AND CLAIMS AUDITED ON GENERAL REPAIRS, INCLUDING LABOR PAY-ROLLS.	ACQUIRED PROPERTY.
For year ending—									
1871.....	\$315,524 54	\$486,449 12	\$50,000 00	\$48,182 56	\$34,258 68	\$40,015 20	\$313,792 68		
1872.....	412,859 93	1,075,605 61	48,252 65	59,544 40	20,702 69	69,473 94	877,631 93		
1873.....	447,328 01	622,878 03	50,000 00	54,787 41	28,754 09	60,791 45	428,545 08		
1874.....	479,361 51	932,710 32	14,574 73	48,738 55	20,913 32	32,383 62	816,100 10		
1875.....	589,361 06	1,536,204 33	12,443 52	52,788 12	24,029 20	37,674 30	1,409,269 19		
1876.....	650,781 88	692,603 96	12,500 00	31,973 61	15,844 34	28,560 33	603,725 68		
1877.....	706,607 78	433,089 90	12,500 00	24,664 53	10,999 82	29,965 95	354,959 60		
1878.....	853,816 92	486,934 69	11,850 81	21,817 40	9,957 41	31,505 72	388,234 93		
1879.....	762,122 37	373,425 68	11,281 18	20,859 62	13,221 17	28,449 84	249,068 36		
1880.....	810,465 41	590,768 63	6,000 00	19,706 94	12,786 96	28,450 00	284,808 89		
1881.....	865,071 89	640,481 57	7,169 35	20,263 22	9,776 22	30,735 50	515,044 45		
1882.....	1,062,162 54	1,180,097 44	9,000 00	22,503 41	12,391 48	32,869 91	829,050 27		
1883.....	1,162,893 96	953,007 85	9,000 00	25,999 07	13,756 80	33,084 00	715,641 01		
1884.....	1,246,859 19	760,106 80	9,000 00	30,225 31	13,213 81	37,860 85	575,080 87		
1885.....	1,187,217 14	1,020,207 51	9,000 00	31,416 67	11,379 73	45,703 41	416,151 29		
1886.....	1,228,151 80	376,789 72	9,000 00	43,192 19	13,140 00	41,159 25	199,258 44		
1887.....	1,260,036 58	389,169 82	9,000 00	46,693 71	6,472 12	44,960 89	162,621 52		
1888.....	1,320,684 81	1,069,539 62	9,000 00	41,469 87	6,315 92	53,070 07	653,434 14		
1889.....	1,418,440 62	1,218,483 76	8,614 52	39,247 76	8,064 44	58,758 73	941,878 01		
1890.....	1,487,930 71	1,316,370 65	9,000 00	37,804 69	1,454 44	67,727 67	850,422 54		
1891.....	1,508,554 93	1,971,844 84	10,999 98	43,824 24	6,105 71	78,337 98	1,265,698 26		
1892.....	1,662,437 70	1,882,823 63	15,000 00	51,926 82	11,140 63	86,763 78	1,507,537 59		
1893.....	1,765,783 65	2,762,566 00	15,000 00	55,979 26	5,996 07	89,961 71	1,317,751 55		
1894.....	1,839,658 78	2,798,455 73	15,000 00	60,837 36	8,700 38	85,328 08	1,685,908 22		

RENT-ROLL

OF

LEASES AND PERMITS

IN FORCE

APRIL 30 AND MAY 1, 1894.



RENT-ROLL, showing the Occupancy on May 1, 1894, of all Corporation Wharf Property under Leases and Permits of the Department of Docks, including all Leases sold within the Year by Public Sale.

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
<i>North River.</i>					
Pier, new 1 .....	Iron Steamboat Co.....	May 1, 1891, to May 1, 1901	\$35,100 per ann.	By public sale, Mar. 22, 1881..	\$35,100 00
Bulkhead between Pier, new 1 and Pier, old 1..	William J. Murray, assignee..	May 1, 1891, to May 1, 1896	1,000	By public sale, Apr. 14, 1891..	1,000 00
Reclaimed land south of Pier, old 1 .....	Pennsylvania R. R. Co.....	At pleasure of the Board...	1,000	By resolution, Aug. 16, 1882..	1,000 00
Land under water for platform between Piers 2 and 3, about 2,210 square feet.....	Lehigh Valley R. R. Co.....	At pleasure of the Board ..	550	By resolution, Aug. 25, 1886..	550 00
Land under water for platform, between Piers, old 3 and 4 .....	Pennsylvania R. R. Co. ....	At pleasure of the Board {	25c. per sq. foot	By resolution, Apr. 26, 1894..	.....
Land under water for extension to bulkhead between Piers 3 and 6, and widening Piers 4 and 5 .....			per annum...		
Land under water for platforms at bulkheads between Piers 6 and 8. ....	Pennsylvania R. R. Co.....	May 1, 1893, to May 1, 1903	20,000 per ann.	By resolution, Apr. 20, 1893..	24,5 0 00
Land under water for platform, south side Pier 8, 4,290 square feet.....	N. Y. & Baltimore Transportation Line.....	At pleasure of the Board...	400	By resolution, Apr. 30, 1884..	400 00
Land under water for platform between Piers 8 and 9.....	Central R. R. Co. of New Jersey .....	At pleasure of the Board ..	1,500	By resolution, Jan. 5, 1881....	1,500 00
Land under water for extension to Pier 9, 4 455 square feet .....	Clark & Seaman.....	At pleasure of the Board...	1,500	By resolution, Apr. 30, 1884..	1,500 00
Land under water for platform at bulkhead, north side Pier 10, and widening north side of pier, about 4,150 square feet .....	William Cruikshank, agent ..	At pleasure of the Board...	800	By resolution, Apr. 30, 1884..	800 00
Land under water for extension to Pier, old 11..	Metropolitan Steamship Co..	At pleasure of the Board...	750	By resolution, July 26, 1882..	750 00
North half Pier 12 and bulkhead between Piers 12 and 13.....	Metropolitan Steamship Co...	At pleasure of the Board...	800	By resolution, Feb. 13, 1890...	800 00
Pier 13 and bulkhead southerly .....	Central R. R. Co. of New Jersey.....	May 1, 1890, to May 1, 1895	11,000	By public sale, Apr. 17, 1890..	11,000 00
Land under water for platform between Piers 12 and 13, and 13 and 14, about 10,672 square feet .....	Central R. R. Co. of New Jersey .....	May 1, 1890, to May 1, 1895	24,000	By public sale, Apr. 17, 1890..	24,000 00
South half Pier 14 and bulkhead adjoining.....	Central K. R. Co. of New Jersey.....	At pleasure of the Board...	1,600	By resolution, Aug. 5, 1879...	1,600 00
Land under water for platform south of Pier 16, and extension west, about 7,655 square feet .....	Central R. R. Co. of New Jersey .....	At pleasure of the Board ..	17,250	By resolution, Apr. 21, 1892..	17,250 00
South half Pier 18 and 23 feet bulkhead southerly	Pennsylvania R. R. Co.....	At pleasure of the Board...	1,000	By resolution, Apr. 30, 1884..	1,000 00
Bulkhead foot of Cortlandt street, northerly of ferry premises, 23 feet.....	Associates of the Jersey Co..	May 1, 1886, to May 1, 1891 (holding over) .....	8,000	By public sale, Apr. 15, 1886..	8,000 00
Bulkhead northerly of foregoing, 20 feet .....	Pennsylvania R. R. Co. ....	10 years from date of completion .....	.....	By resolution, Dec. 14, 1893..	.....
	John H. Starin.....	10 years from date of completion .....	1,500 per ann.	By resolution, Dec. 14, 1893, and Mar. 22, 1894.....	.....

Land under water for platform between Piers 18 and 19, etc., 9,741 square feet.....	Delaware, Lackawanna and Western R. R. Co.....	3 months' notice.....	1,400	"	{ By resolution, Apr. 30, 1894. (See minutes, Apr. 14, 1894.) { By resolution, May 15, 1873, and Dec. 15, 1873. (See minutes, Apr. 14, 1894.)... By resolutions, Jan. 28 and Mar. 31, 1892, and Mar. 10, 1894.....	1,104 00
Land under water for platforms between Piers 18 and old 20, 10,000 square feet.....	John H. Starin.....	At pleasure of the Board...	1,400	"		910 00
Washington Pier (new 14).....	International Navigation Co.	Jan. 1, 1894, to Jan. 1, 1904...	16,831 98	"		
Bulkhead north and south of Washington Pier, new 15 (excepting space for bell-tower), and bulkhead southerly.....	International Navigation Co.....	Jan. 1, 1894, to Jan. 1, 1904... Ten years from date of occupation.....	4,500	"	By resolution, Feb. 16, 1893...	
			25,000	"	By resolution, Mar. 9, 1893...	
Space for bell-tower at outer end of Pier, new 15	Hoboken Ferry Co.....	At pleasure of the Board...	100	"	By resolution, July 12, 1892...	100 00
Land under water for widening of slip foot of Barclay street.....	Hoboken Ferry Co.....	At pleasure of the Board...	4,000	"	By resolution, Nov. 25, 1891...	4,000 00
Land under water for ferry structure south of Barclay street, 34,417 square feet.....	Hoboken Land and Improvement Co.....	Feb. 1, 1888, at pleasure of the Board.....	8,604.24	"	By resolution, May 14, 1887...	8,604 24
Land under water for extension to Pier, old 25, and Pier, old 27.....	N. Y. Central & Hudson R. R. Co.....	At pleasure of the Board...	4,000	"	By resolution, July 30, 1891...	4,000 00
Land under water for platforms between Piers, old 25 and 26, and 26 and 27.....	N. Y. Central & Hudson R. R. Co.....	Aug. 1, 1876, at pleasure of the Board.....	3,150	"	By resolution, May 10, 1876...	3,150 00
Land under water for platform between Piers, old 27 and old 28, 8,598 square feet.....	N. Y. Central & Hudson R. R. Co.....	Jan. 1, 1888, at pleasure of the Board.....	2,149.50	"	By resolution, January 5, 1888	2,149 50
Land under water for platform on southerly side of Pier, old 28, 504 square feet.....	Old Colony Steamboat Co..	Oct. 27, 1887, at pleasure of the Board.....	126	"	By resolution, Feb. 17, 1888...	126 00
Land under water for extension of Pier, old 28, 16,775 square feet.....	Old Colony Steamboat Co.....	At pleasure of the Board...	4,068.75	"	By resolution, June 9, 1892...	3,196 43
Land under water for platforms north of Pier, old 28, 10,836 square feet.....	Old Colony Steamboat Co.....	At pleasure of the Board...	2,709	"	By resolution, Oct. 27, 1887...	2,709 00
Bulkhead between Piers, old 28 and new 19.....	Old Colony Steamboat Co.....	10 years from date of completion.....	7,500	"	By resolution, June 29, 1893...	
Pier, new 19.....	Old Colony Steamboat Co.....	10 years from date of completion.....	27,500	"	By resolution, Nov. 3, 1892...	
Land under water for ferry-racks at northerly side of Pier, new 19, 5,603 square feet....	N. Y., Lake Erie & Western R. R. Co.....	Feb. 5, 1894, at pleasure of the Board.....	4,000	"	{ By resolution, July 28, 1892 { (See minutes, Aug. 18, 1892.)	4,000 00
Piers, new 20 and new 21, and 560 feet bulkhead northerly from north side of Pier, old 29.....	N. Y., Lake Erie & Western R. R. Co.....	Aug. 1, 1891, to Aug. 1, 1901	100,000	"	{ By resolutions, July 14, 1875, and August 12, 1881.....	100,000 00
Pier, new 22, and bulkheads north and south of same.....	Baltimore & Ohio R. R. Co....	Jan. 1, 1894, to Jan. 1, 1904.	47,000	"	{ By resolution, Mar. 1 and Mar. 11, 1893, and minutes, Jan. 11, 1894.....	10,172 60
Pier, new 23, and bulkheads north and south of same.....	West Shore R. R. Co.....	Oct. 1, 1891, to Oct. 1, 1901...	42,000	"	By resolution, Sept. 17, 1891...	42,000 00
Pier, new 24.....	Homer Ramsdell.....	Feb. 1, 1889, to Feb. 1, 1899.	28,686.19	"	By resolutions, Nov. 27, 1878, Feb. 6, 1889, Apr. 14 and May 12, 1892. (See minutes, Sept. 29, 1892).....	28,686 20
Pier, new 25.....	Morgan's Louisiana & Texas R. R. and S. S. Co.....	To February 1, 1899.....	33,388.11	"	{ By resolutions, Nov. 27, 1878, Jan. 11, 1889, and Oct. 23, 1890.....	33,388 12
Bulkhead northerly of Pier, new 25, 32 feet....	Southern Pacific Co.....	May 1, 1894, to May 1, 1899	1,000	"	Public sale, Apr. 27, 1894.....	250 00

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Pier, new 26.....	Old Dominion S. S. Co.....	May 1, 1891, to May 1, 1901	\$34,039.07 per ann.	By resolutions, Aug. 14, 1878, and Jan. 8, 1891.....	\$34,039 08
Bulkhead from a point 125 feet south of Pier, new 26, northerly to the southerly side of Pier, new 27.....	Old Dominion S. S. Co.....	May 1, 1891, to May 1, 1901	10,100	By resolution, Jan. 13, 1888...	10,100 00
Piers, new 27 and new 28, and bulkhead between	Pennsylvania R. R. Co.....	Sept. 1, 1884, to Sept. 1, 1894	55,000 per ann.	By resolution, May 25, 1888...	55,000 00
Bulk ead northerly of Pier, new 28, 75 feet....	Pennsylvania R. R. Co.....	Sept. 1, 1894, to Sept. 1, 1904	5,000	By resolutions, Feb. 27 and Apr. 26, 1894.....	.....
Bulkhead northerly from a point half way between Piers, new 28 and 29, extending 20 feet northerly of Pier, new 29.....	Pennsylvania R. R. Co.....	Mar. 1, 1894, to Mar. 1, 1901	9,000	{ By resolutions, Feb. 27 and Apr. 26, 1894.....	.....
Pier, new 29.....	Pennsylvania R. R. Co. and others, assignees .....	Mar. 1, 1891, to Mar. 1, 1901	30,000	{ By resolution, Nov. 27, 1878. (See minutes, Jan. 15 and Apr. 23, 1891).....	30,000 00
Land under water for platform, north side of Vestry street and south side of Watts street .....	New Jersey R. R. & Transportation Co.....	At pleasure of the Board...	1,000	By resolution, Nov. 2, 1871....	1,000 00
Pier, old 40.....	N. J. Steamboat Co.....	At pleasure of the Board...	20,000	By resolution, Apr. 20, 1893...	18,333 37
Pier, new 34, and 75 feet bulkhead each side...	Pacific Mail S. S. Co.....	Sept. 1, 1889, to Sept. 1, 1899	60,427.94	By resolutions, Apr. 2, 1889, Nov. 12, 1891, and June 2, 1892.....	60,427 96
Bulkhead southerly of Pier, new 35, 72 feet....	Ocean S. S. Co. of Savannah, Ga.....	At pleasure of the Board...	900	{ By resolution, Sept. 12 and 19, 1889.....	900 00
Pier, new 35.....	Ocean S. S. Co. of Savannah, Ga.....	May 1, 1893, to May 1, 1903	40,690.04	By resolution, June 22, 1893...	40,690 04
Pier, new 36.....	Providence & Stonington S. S. Co.....	June 1, 1891, to June 1, 1901	34,910.60	{ Renewed lease. Resolution, Mar. 23, 1893.....	33,301 99
Bulkhead north and south of same.....	Providence & Stonington S. S. Co.....	To June 1, 1901.....	4,500	Resolution, Mar. 23, 1893.....	1,875 00
Pier, new 37.....	Southern Pacific Co.....	May 1, 1893, to May 1, 1903	50,000	By resolution, Feb. 16, 1893....	50,000 00
Bulkhead north and south of Pier, new 37.....	Southern Pacific Co.....	May 1, 1893, to May 1, 1903	5,000	By resolution, Feb. 16, 1893....	5,000 00
Pier, new 38, and bulkhead north and south of same.....	Oceanic Steam Navigation Co.	Apr. 1, 1893, to Apr. 1, 1903	41,250	By resolution, Mar. 9, 1893....	43,079 79
Bulkhead south of Pier, new 39, 95 feet.....	L. E. Muller.....	At pleasure of the Board...	125 per mo	Minutes, Apr. 29, 1893.....	1,375 00
Pier, new 39.....	National S. S. Co. (Limited)....	May 1, 1891, to May 1, 1901	33,400 per ann.	By resolution, Apr. 23 1891....	33,400 00
Pier, new 40, including water rights at northerly side of said pier.....	Cunard S. S. Co. (Limited)....	May 1, 1893, to May 1, 1901	36,500	By resolution, July 27, 1893..	36,500 00
Pier, new 41.....	Delaware, Lackawanna & Western R. R. Co., as assignee.....	Sept. 1, 1891, to Sept. 1, 1901	30,500	{ Renewal lease. (See minutes, Sept. 10, 1891) .....	30,500 00
Bulkhead about 94 feet each side of Pier, new 41	Delaware, Lackawanna & Western R. R. Co.....	Sept. 1, 1891, to Sept. 1, 1901	2,000	Renewal lease	.....

Pier, new 43.....	Lanlique.....	Nov. 1, 1891, to Nov. 1, 1901	40,500	"	By resolution, Dec. 23, 1891.	.....
Piers, new 44 and 45, including extensions and bulkhead between and one-half bulkhead north of Pier, new 43.....	Oceanic Steam Navigation Co. }	July 1, 1889, to July 1, 1899	64,903 76	"	{ By resolutions, Feb. 14, 1889, Aug. 1, 1890, and Aug. 27, 1891.....	64,903 76
Pier, new 46.....	The Citizens' Steamboat Co. }	May 1, 1890, to May 1, 1899	13,517 40	"	{ By resolution, Jan. 11, 1889, and October 9, 1890.....	33,517 40
Pier, new 47, and bulkhead between Pier, new 46, and Pier, new 47.....	Quebec Steamship Co.....	May 1, 1891, to May 1, 1901	20,000	"	By resolution, Oct. 2, 1890....	20,000 00
Bulkhead along easterly side of approach to Pier, new 46, and Pier, new 47.....	Quebec Steamship Co.....	At pleasure of the Board....	83.33 per mo.		By resolution, Oct. 2, 1890....	1,000 00
Two hundred feet in length of bulkhead on southerly side of West Eleventh street, beginning at a point on the said bulkhead 35 feet westerly of a point where the easterly line of Thirteenth avenue, between West Eleventh and Bank streets, produced, southerly crosses said bulkhead, and extending 200 feet east from said point	E. M. Van Tassell Elevating Co., assignees.....	Nov. 1, 1888, to Nov. 1, 1898	1,850 per ann.		{ By public sale, Oct. 23, 1888, and resolution, Jan. 5, 1891	1,850 00
Southerly side of pier at foot of West Eleventh street, and a portion of the bulkhead at the southerly side of Thirteenth avenue, at West Eleventh street, beginning at a point where the easterly line of Thirteenth avenue, between West Eleventh and Bank streets, produced, southerly crosses said bulkhead, and extending westerly along said bulkhead and the southerly side of said pier 225 feet, etc.....	Joseph Cornell.....	Nov. 1, 1888, to Nov. 1, 1898	1,900	"	By public sale, Oct. 23, 1888..	1,900 00
Pier at West Eleventh street. The outer 160 feet on the southerly side, the end and the whole of the northerly side of said pier outside and westerly of Thirteenth avenue	Catskill and New York Steamboat Co.....	May 1, 1892, to Nov. 1, 1898	3,500	"	By public sale, Apr. 5, 1892...	3,500 00
Bulkhead at Bank street.....	Knickerbocker Ice Co.....	May 1, 1891, to May 1, 1896	850	"	By public sale, April 14, 1891.	850 00
Pier at Bethune street.....	A. T. Decker & Co.....	May 1, 1890, to May 1, 1895	4,121.25	"	By public sale, April 17, 1890, and resolution, Nov. 12, 1891	1,030 31
Northerly half and outer end of pier foot of West Twelfth street, with privilege of placing dumping-board thereon.....	John A. Bouker.....	May 1, 1890, to May 1, 1895	2,100	"	By public sale, April 17, 1890.	2,100 00
Pier at Jane street.....	Joseph Cornell.....	May 1, 1891, to May 1, 1896	3,479.18	"	By public sale, April 14, 1891, and resolutions, Aug. 20 and Sept. 3, 1891.....	3,479 20
Pier at Horatio street, except reservation, etc., Pier, old 56 (with reservation to cancel), if required, for new public market....	Consumers' Ice Co.....	May 1, 1891, to May 1, 1896	1,500	"	By public sale, April 14, 1891.	1,500 00
Berth on south side of Pier, old 57.....	Lehigh Valley R. R. Co., } assignees.....	May 1, 1888, to May 1, 1891, holding over.....	3,500	"	By public sale, April 11, 1888.	3,500 00
Permit for platform scales, etc., southerly of Pier at Little West Twelfth street.....	Joseph Cornell.....	At pleasure of the Board....	200 per mo.		Resolution, Feb. 8, 1894.....	.....
Pier at Little West Twelfth street.....	Cedar Hill Ice Co.....	At pleasure of the Board....	125	"	{ Minutes of February 23 and March 1, 1893.....	1,375 00
	John L. Eccles.....	May 1, 1892, to May 1, 1897	1,400 per ann.		By public sale, April 5, 1892.	1,400 00

PROPERTY	LESSEE OR OCCUPANT	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Land under water for ferry racks and platform between Thirteenth and Fourteenth streets, 16,594 square feet	Hoboken Ferry Co .....	At pleasure of the Board...	\$4,148.50 per an.	By resolution, Nov. 23, 1893..	\$443 26
Pier at West Fifteenth street	Central R. R. Co. of New Jersey	Jan. 1, 1894, to Jan. 1, 1904	11,000 "	By public sale, Sept. 20, 1893..	5,831 50
Pier at West Sixteenth street.....	Bernard Campbell .....	Feb. 1, 1890, to Feb. 1, 1895	1,000 "	By public sale, Jan. 22, 1890..	1,000 00
Pier at West Seventeenth street ..	Baltimore & Ohio R. R. Co ..	May 1, 1891, to May 1, 1896	4,500 "	By public sale, April 14, 1891..	4,500 00
Pier at West Eighteenth street	Robert S. Briggs.....	Sept. 1, 1892, to May 1, 1897	2,200 "	By public sale, April 5, 1892..	2,200 00
North side of pier at West Nineteenth street.	Carroll Box and Lumber Co.	At pleasure of the Board...	125 per mo.	Minutes, June 22, 1893. ....	1 125 00
Pier at West Twenty-first street. .	H. & A. Allan .....	Feb. 1, 1892, to Feb. 1, 1902	25,000 per ann.	By resolution, May 28, 1891..	25,000 00
Pier at West Twenty-second street	C. T. Van Santvoord... ..	May 1, 1891, to May 1, 1896	12,519.26 "	By public sale, April 14, 1891, and resolution, Feb. 18, 1892	12,519 26
Land under water for platform and ferry racks, between West Twenty-second and West Twenty-third streets 6,846 square feet .	N. Y., Lake Erie & Western R. R. Co .....	March 18, 1887, at pleasure of the Board.....	1,711 50	{ By resolution, Oct. 20, 1886, and Jan. 7, 1887. ....	1,711 50
Pier, new 54 .....	Sander son & Son, assignees..	Jan. 1, 1892, to Jan. 1, 1902	25,000 "	Renewal lease, resolution June 4, 1891.....	25,000 00
Pier, new 55 .....	Atlas Steamship Co. (Limited)	May 1, 1892, to May 1, 1902	25,000 "	Renewal lease, minutes March 3, 1892. . .	25,000 00
Bulkhead between Piers, new 55 and 56	I. T. Williams & Sons.....	Ten years from date of completion.....	2,250 "	By resolution Nov. 3, 1892...	.....
Pier, new 56 . . . . .	Simpson, Spence & Young, agents .....	July 1, 1892, to July 1, 1902	30,000 "	{ Renewal lease, minutes March 24, 1892.....	30,000 00
Bulkhead between Piers, new 56 and 57	J. E. & J. M. Cornell.....	Oct. 1, 1892, to Oct. 1, 1900	2,500 "	By resolution, May 29, 1892, (See minutes, Aug. 27, 1891)	2,500 00
Pier, new 57 .....	Barent H. Lane .....	Feb. 15, 1891, to Feb. 15, 1901	25,000 "	By public sale, Jan. 30, 1891..	25,000 00
Pier, new 58.....	John H. Starin.....	May 1, 1892, to May 1, 1902	12,500 "	By resolution, April 14, 1892..	9,375 00
Pier, new 59 .....	Occident Dock Co., assignees	Nov. 1, 1892, to Nov. 1, 1902	12,500 "	By resolution, May 5, 1892, (See minutes, Sept. 29, 1892, and Feb. 16, 1893). ....	12,500 00
Piers, new 61, 62 and 63, and bulkhead between Piers, new 60 and 63, also 55 feet of bulkhead northerly of Pier, new 63, including land under water in front of same .....	N. Y. Central & Hudson R. R. Co. . . . .	May 1, 1891, to May 1, 1901	56,000 "	{ By resolution, Jan. 28, 1897, and Nov. 13 and 20, 1890.	96,000 00
Pier at West Thirty-fifth street, with reservation for bath. ....	Henry C. Rogers, assignee...	June 1, 1892, to June 1, 1902	5,000 "	{ By public sale, May 9, 1892, and minutes, Feb. 2, 1894..	5,000 00
Pier at West Thirty-sixth street .....	N. Y. Central & Hudson R. R. Co.....	Dec. 5, 1886, to Oct. 2, 1894	15,000 "	By resolution, Oct. 2, 1884....	15,000 00

[illegible]



PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Pier at West One Hundred and Twenty-ninth street, except southerly side, used for dump of Street Cleaning Department. ..	McDermott & Co.....	May 1, 1892, to May 1, 1897	\$700 per ann.	{ By public sale, Apr. 5, 1892, and minutes, Sept. 18, 1893	\$250 00
Bulkhead between West One Hundred and Twenty-ninth and West One Hundred and Thirtieth streets.....	McDermott & Co.....	May 1, 1894, to May 1, 1899	625 "	By public sale, Apr. 27, 1894..	156 25
Bulkhead at foot of West One Hundred and Thirtieth street, and 50 feet northerly, and platform in front of same.....	Riverside and Fort Lee } Ferry Co.....	May 1, 1891, to May 1, 1896	400 "	By public sale, Apr. 14, 1891..	400 00
Bulkhead southerly of West One Hundred and Thirty-first street, and Pier at West One Hundred and Thirty-first street, southerly side .....	Riverside and Fort Lee } Ferry Co.....	May 1, 1891, to May 1, 1896	500 "	By public sale, Apr. 14, 1891..	500 00
Bulkhead between West One Hundred and Thirty-second and West One Hundred and Thirty-third streets.....	William A. Wells .....	May 1, 1894, to May 1, 1899	300 "	By public sale, Apr. 27, 1894..	75 00
Pier at West One Hundred and Thirty-third street.....	Ramsdell Transportation Co..	May 1, 1892, to May 1, 1897	1,200 "	By public sale, Apr. 5, 1892..	1,200 00
Pier at West One Hundred and Thirty-eighth street.....	James Rogers .....	May 1, 1891, to May 1, 1894	150 "	By public sale, Apr. 14, 1891..	187 50
<i>East River.</i>					
Berth for bath at Battery Wall, season 1893.....	William A. Hall .....	At pleasure of the Board....	250 per mo.	Minutes of Apr. 20, 1893 .....	888 33
Berth for bath at Battery Wall, season 1894.....	William A. Hall .....	At pleasure of the Board....	250 "	Minutes of Apr. 5 and 20, 1894	.....
Temporary platform at Battery Wall .....	American Committee Statue of Liberty .....	At pleasure of the Board....	100 per ann.	By resolution of May 9, 1890..	100 00
Easterly half of Pier 4.....	N. Y. Central & Hudson R. R. R. Co.....	May 1, 1891, to May 1, 1896	4,400 "	By public sale, Apr. 14, 1891..	4,400 00
Bulkhead and platform between Piers 4 and 5..	N. Y. Central & Hudson R. R. R. Co.....	May 1, 1891, to May 1, 1896	1,100 "	By public sale, Apr. 14, 1891..	1,100 00
Pier 5.....	N. Y. Central & Hudson R. R. R. Co.....	May 1, 1891, to May 1, 1896	16,500 "	By public sale, Apr. 14, 1891..	16,500 00
Bulkhead between Piers 5 and 6.....	N. Y. Central & Hudson R. R. R. Co.....	May 1, 1891, to May 1, 1896	1,100 "	By public sale, Apr. 14, 1891..	1,100 00
Pier, old 6.....	N. Y. Central & Hudson R. R. R. Co.....	May 1, 1891, to May 1, 1896	8,800 "	By public sale, Apr. 14, 1891..	8,800 00
West half of Pier, new 7 .....	N. Y., Lake Erie & Western R. R. Co.....	May 1, 1888, to May 1, 1898	10,000 "	By public sale, Apr. 11, 1888..	10,000 00
Land under water for widening Pier, new 7....	N. Y., Lake Erie & Western R. R. Co.....	Aug. 1, 1889, to May 1, 1898	1,500 "	By resolution, Mar. 7, 1889...	1,500 00
Land under water to widen Pier 10.....	J. M. Ceballos.....	Dec. 1, 1891, at pleasure of } the Board .....	500 "	{ By resolution, May 14, 1891, and minutes, Dec. 17, 1891..	500 00
Land under water for platform between Pier 16 and Pier 17 .....	New York & Cuba Mail Steamship Co.....	At pleasure of the Board....	1,774.25 "	By resolution, Apr. 23, 1891 ..	1,774 32

Particulars		New York & Cuba Mail Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
East half of Pier 20		N. Y. & Texas Steamship Co.		At pleasure of the Board		By public sale, Apr. 14, 1891	
Bulkhead between Piers 19 and 20, including whole and West half of Pier 21, including whole and East half of Pier 22		N. Y. & Texas Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
East half of Pier 24 and half the bulkhead adjoining Pier 25 and half the bulkhead adjoining the West half of Pier 26 and half the bulkhead adjoining the West half of Pier 27, 4,300 square feet		N. Y. & Texas Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
Land under water for platform, between Pier 32 and 33, etc.		New Haven Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
East half of Pier 33 west half of Pier 34, and bulkhead platform between		New Haven Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
Wharf structures at Pier 35		New Haven Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
Wharf structures at inner westerly end of Pier 35		New Haven Steamship Co.		May 1, 1891, to May 1, 1892		By public sale, Apr. 14, 1891	
Land under water for widening east side and extension to Pier 36		Baltimore & Ohio R. Co.		At pleasure of the Board		By resolution, Sept. 15, 1886	
Land under water for temporary platform adjoining westerly side of Pier 38		Long Island R. & Co.		At pleasure of the Board		By resolution, Dec. 24, 1884	
Pier 38 and bulkhead westerly		B. F. Clyde		May 1, 1892, to May 1, 1893		By public sale, Apr. 5, 1892	
Land under water for platform between Piers 38 and 39		Bridgeport Steamboat Co.		May 1, 1892, to May 1, 1893		By public sale, Apr. 12, 1889	
Pier 40		Bridgeport Steamboat Co.		At pleasure of the Board		Minutes, Apr. 13, 1894	
Undivided north part of Pier, old 42		George H. Pennington		May 1, 1889, to May 1, 1890		By public sale, Mar. 20, 1889	
Land under water for platform between Piers 38 and 39		Maine Steamship Co.		Aug. 1, 1888, at pleasure of the Board		By resolution, Nov. 10, 1887	
Land under water for widening Pier, old 43		Maine Steamship Co.		June 1, 1892, to June 1, 1893		By public sale, May 9, 1892	
Land under water for platform between Piers, old 45 and new 36		Peter Charles		At pleasure of the Board		By resolution, June 16, 1895	
Pier, new 36		New York City & Northern Railway Co.		May 1, 1890, to May 1, 1895		By resolution, Dec. 17, 1891	
Land under water for extension, Pier 49		J. A. McCarthy		At pleasure of the Board		By public sale, Apr. 17, 1890	
Bulkhead between Pier 49 and Pier 50, 18,958 square feet		William L. Clark		June 1, 1890, to June 1, 1900		By resolution, Dec. 8, 1892	
for platform between Piers		N. Y. New Haven & Hartford R. Co. assignee		Dec. 31, 1888, to Dec. 31, 1898		By resolution, Aug. 10, 1888, and minutes, Mar. 9, 1893	
		N. Y. New Haven & Hartford R. Co. assignee		At pleasure of the Board		By resolution, Aug. 10, 1888, and minutes, June 26, 1890, and Mar. 9, 1893	
		N. Y. New Haven & Hartford R. Co. assignee		Jan. 1, 1881, at pleasure of the Board		By resolution, Nov. 9, 1888, and minutes, Mar. 9, 1893	
		N. Y. New Haven & Hartford R. Co. assignee		At pleasure of the Board		By resolution, May 12, 1892, and minutes, July 21, 1892	
		N. Y. New Haven & Hartford R. Co. assignee		At pleasure of the Board		By resolutions, Nov. 27, 1880, and July 21, 1886	
		N. Y. New Haven & Hartford R. Co. assignee		At pleasure of the Board		By resolution, May 26, 1880	
		Harlem River & Port Chester R. R. Co.		At pleasure of the Board		By resolution, May 7, 1874, and Nov. 6, 1879	



PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Pier at west half of Pier 51, west half of Pier 52, and bulkhead, etc., between .....	N. Y., New Haven & Hartford R. R. Co. ....	May 1, 1888, to May 1, 1898	\$8,000 per ann.	By public sale, Sept. 20, 1887.	\$8,000 00
Land under water for platform between Piers 51 and 52, including shed .....	N. Y., New Haven & Hartford R. R. Co. ....	Dec. 30, 1890, to May 1, 1898	2,194 50	{ By resolution, Sept. 11, 1890, and minutes, Aug. 4, 1892.	2,194 50
Land under water for platform, west side of Pier 53 .....	H. D. Mould .....	May 1, 1891, at pleasure of the Board .....	125	{ By resolutions, Feb. 26 and Apr. 2, 1891 .....	135 41
Premises foot of Broom- street .....	Wright & Cobb .....	At pleasure of the Board .....	1,500	Minutes, Apr. 5 and 20, 1894 ..	.....
Pier 60 and bulkhead at the northerly side of Rivington street, and bulkhead on Tompkins street, between Piers 60 and 61, E. R. ....	John A. McCarthy .....	May 1, 1892, to May 1, 1897	1,500	By public sale, Apr. 5, 1892 ..	1,500 00
Northerly side of Pier 61 .....	H. A. Peck & Co. ....	At pleasure of the Board .....	150 per mo.	Minutes, Apr. 13 and May 3, 1894 .....	.....
Berth for dry dock at southerly side of Pier 62.	James Shewan .....	At pleasure of the Board .....	208.33	By resolution, Mar. 16, 1893 ..	2,499 96
Pier foot of Stanton street .....	James Shewan .....	At pleasure of the Board .....	5,000 per ann.	Minutes, Feb. 21, 1894 .....	.....
Bulkhead, etc., at and south of Houston street.	Nassau Ferry Co. ....	Nov. 1, 1878, to May 1, 1894	2,500	By public sale, Dec. 16, 1878 ..	2,500 00
Land under water for pier, 130 feet south of Houston street .....	Nassau Ferry Co. ....	May 1 1879, to May 1, 1894	300	By resolution, Jan. 8, 1879 ..	300 00
Bulkhead at East Fourth street .....	Hencken & Co. ....	May 1, 1891, to pleasure of the Board .....	150	By resolution, July 9, 1891 ..	150 00
Pier at Fifth street .....	Sheridan & Byrne .....	May 1, 1891, to May 1, 1896	3,700	By public sale, Apr. 14, 1891 ..	1,850 00
Northerly half of Pier at Eighth street .....	Emeline Roach .....	At pleasure of the Board .....	62.50 per mo.	By resolution, Aug. 30, 1893 ..	.....
Pier at Ninth street, southerly half of Pier at West Tenth street and bulkhead between ..	Estate of John Roach .....	At pleasure of the Board .....	187.50	By resolution, Aug. 30, 1893 ..	.....
Northerly half of Pier at foot of Tenth street and southerly half of Pier at foot of Eleventh street .....	Estate of George Law .....	At pleasure of the Board .....	1,500 per ann	By resolution, Mar. 8, 1892 ..	1,500 00
Bulkhead at East Fourteenth street, 110 feet ..	Murray & Co. ....	May 1, 1892, to May 1, 1897	525	By public sale, Apr. 5, 1892 ..	525 00
Bulkhead at East Fifteenth street .....	Consolidated Gas Co. ....	May 1, 1891, to May 2, 1894	275	By public sale, Apr. 14, 1891 ..	275 00
Bulkhead at East Fifteenth street, 65 feet. ....	Consolidated Gas Co. ....	May 1, 1894, to May 1, 1899	300	By public sale, Apr. 27, 1894 ..	75 00
Bulkhead at East Twentieth street .....	H. L. Herbert .....	Feb. 1, 1890, to Feb. 1, 1895	500	By public sale, Jan. 22, 1890 ..	500 00
Bulkhead foot of East Twenty-second street ..	Brooklyn & N. Y. Ferry Co. ....	Feb. 15, 1891, to Feb. 15, 1901	150	By public sale, Jan. 30, 1891 ..	150 00
Land under water for ferry structure between East Twenty second and East Twenty-third streets .....	Brooklyn & N. Y. Ferry Co. ....	Nov. 1, 1890, to May 1, 1894	6,917.50	{ By resolution, Oct. 16, 1890. (See minutes, Oct. 27, 1892)	6,917 49
Bulkhead south of East Twenty-fourth street, north of ferry premises .....	Greenpoint Ferry Co. ....	June 1, 1881, to June 1, 1891 (holding over) .....	4,100	By public sale, Mar. 22, 1886 ..	4,100 00

Bulkhead between East Twenty-ninth and East Thirty-ninth streets	Candace A. Smith	Years from date of completion	Acres	By resolution, Aug. 27, 1893	Cost
Bulkhead at East Thirtieth street, 60 feet	William H. Hurlbutt	May 1, 1894, to May 1, 1899	2.50	By public sale, Apr. 27, 1894	6.00
Pier at foot of East Thirty-first street	Joseph V. Brown	May 1, 1898, to May 1, 1897	2.750	By public sale, Apr. 5, 1898	2,750.00
Pier at foot of East Thirty-second street	J. H. Starin	May 1, 1898, to May 1, 1897	1.400	By public sale, Apr. 5, 1898	1,050.00
Southerly side of Pier at East Thirty-third street	Knickerbocker Ice Co.	At pleasure of the Board	1.500	Minutes, Dec. 13, 1892, and Jan. 5, 1893	1,000.00
Bulkhead at foot of East Thirty-sixth street, 60 feet	Popham & Co.	May 1, 1890, to May 1, 1895	260	By public sale, Apr. 17, 1890	260.00
Pier at East Thirty-seventh street with reservation for Public Bath	Haltimore & Ohio R. R. Co.	May 1, 1891, to May 1, 1896	1,000	By public sale, Apr. 14, 1891	1,000.00
Bulkhead and dump at East Thirty-ninth street	Long Island Land Fertilizing Co.	May 1, 1891, at pleasure of the Board	2,000	By resolution, Apr. 30, 1891	2,000.00
Bulkhead at East Fortieth street, 60 feet	Equitable Gas-light Co.	May 1, 1890, to May 1, 1895	150	By public sale, Apr. 17, 1890	150.00
Bulkhead at foot of East Forty-first street, 60 feet	Equitable Gas-light Co.	May 1, 1890, to May 1, 1895	170	By public sale, Apr. 17, 1890	170.00
Bulkhead at foot of East Forty-third street	Lehigh Valley R. R. Co., assignee	May 1, 1890, to May 1, 1895	300	By public sale, Apr. 17, 1890	300.00
Bulkhead at foot of East Forty-fourth street	Lehigh Valley R. R. Co., assignee	May 1, 1890, to May 1, 1895	25	By public sale, Apr. 17, 1890	25.00
Bulkhead at Forty-seventh street	Owens & Co.	May 1, 1891, to May 1, 1896	550	By public sale, Apr. 14, 1891	550.00
Bulkhead at East Forty-ninth street, 60 feet. Land and land under water in front of southerly half of block between East Fifty-fourth and East Fifty-fifth streets	Brown & Fleming	May 1, 1892, to May 1, 1897	525	By public sale, Apr. 5, 1892	525.00
Land under water in front of northerly half of block between East Fifty-fourth and East Fifty-fifth streets	Consumers' Brewing Co.	July 1, 1893, to July 1, 1898	150	By public sale, June 7, 1893	200.00
Land under water for coal hoist near the bulkhead on northerly side of East Fifty-sixth street	John Kress Brewing Co.	July 1, 1893, to July 1, 1898	150	By public sale, June 7, 1893	112.50
Site for bulkhead between East Fifty-sixth and East Fifty-seventh streets	G. D. Curtis	Sept. 1, 1887, at pleasure of the Board	250	By resolution, Sept. 1, 1887	250.00
Filled-in land southerly of original high water mark in front of southerly half of block between Sixty-second and Sixty-third streets	Schmidt & Koehne	At pleasure of the Board	100	By resolution, Apr. 30, 1884	200.00
Filled-in land in front of northerly half of block between East Sixty-second and East Sixty-third streets	Farmers' Feed Company of New York and New Jersey	Feb. 1, 1892, to Feb. 1, 1895	100	By resolution, Jan. 28, 1892	100.00
Land under water for platform, etc., south of East Sixty-third street, 230 square feet	Ehrenreich Bros.	Nov. 1, 1891, to Nov. 1, 1894	100	{ By resolutions, Oct. 1, 1891, and Nov. 5, 1891	100.00
Bulkhead at foot of East Sixty-third street	Adam Neidlinger, assignee	At pleasure of the Board	100	By resolution, Dec. 24, 1878	100.00
Bulkhead between East Sixty-third and East Sixty-fourth streets, 235 feet	Adam Neidlinger, assignee	May 1, 1890, to May 1, 1895	480	By public sale, Apr. 17, 1890, and minutes, Feb. 23, 1893	480.00
		June 1, 1892, to June 1, 1902	700	{ By public sale May 9, 1892, and minutes, Feb. 23, 1893	700.00

<p>the street in 250 feet in bulkhead line westerly.....</p>	<p>Manhattan Bulkhead Co. privilege of two renew- als at ten years each).</p>	<p>8,300 yd "</p>
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PERMITS Granted by the Board for which Rental is Collected by the Dock Masters and Reported as Wharfage in Schedule "I."

PROPERTY.	OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.
<p><i>North River.</i></p> <p>Freight shed on bulkhead between Dey and Fulton streets. ....</p>	John H. Starin.....	At pleasure of the Board.	\$3 00 per day.....	<div> Minutes, February 15 and 27, 1894. </div> <div> Minutes, February 11, 1892. </div> <div> Minutes, February 21 and April 20, 1894. </div> <div> Minutes, February 8 and 21, 1894. </div> <div> Minutes, May 12, 1892. </div>
Berth at Pier, new 15.....	New York Steam Co. ....	"	10 00 "	
Coal-hoist, etc., between Piers, new 21 and 22 ...	Matthew Strip.....	"	75 00 per month.....	
Coal-hoist, etc., at Pier, old 42.....	C. McMonagle.....	"	1 50 per day.....	
Berth for oyster boat north of West Tenth street..	W. Stringham.....	"	2 00 "	
"	Thomas H. Dorsey.....	"	2 00 "	" " 12, "
"	Morgan Brothers.....	"	1 80 "	" " 12, "
"	J. J. Housman.....	"	1 90 "	" " 12, "
"	J. V. Decker.....	"	1 80 "	" " 12, "
"	C. C. Jones.....	"	1 80 "	" " 12, "
"	P. Ellsworth.....	"	2 00 "	" " 12, "
"	J. I. Merrill.....	"	1 80 "	" " 12, "
"	Van Name & Co.....	"	1 80 "	" " 12, "
"	Bedel & Merrill.....	"	1 80 "	" " 12, "
"	J. P. Kempton.....	"	1 80 "	" " 12, "
"	W. Simonson.....	"	1 60 "	" " 12, "

PROPERTY.	OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.
Berth for oyster boat north of West Tenth street..	J. & J. N. Ellsworth.....	At pleasure of the Board.	\$1 50 per day....	Minutes, May 12, 1892.
"	Tim Shea Co.....	"	2 20 "	" " 12, "
"	Still & Pattison.....	"	1 40 "	" " 12, "
Platform, etc., southerly side of West Eleventh street.....	Commonwealth Ice Co.....	"	10 50 per week.....	
Berth at Pier, foot West Thirteenth street.....	Fort Lee Park Steamboat Co.	"	5 00 per day.....	Minutes, February 25 and March 3, 1892.
"	Steamboat "Anata".....	"	4 00 "	Minutes, February 21 and March 22, 1894.
Ice bridge between Piers, new 54 and 55.....	James Tilley .....	"	3 50 "	Minutes, July 21, 1892.
Coal pockets at bulkhead between Piers, new 59 } and 60 .....	Charles L. Whitman.....	"	3 00 "	{ Minutes, December 13, 1892 } and May 25, 1893.
Boat landing at outer end of Pier at Thirty-fourth street.....	Fort Lee Park Steamboat Co.	"	2 00 "	Minutes, June 9, 1892.
Float landing north side of Pier at Thirty-fourth street. ....	Joseph May.....	"	21 65 per month .....	" May 26, 1892.
Berth at Pier foot of West Forty-fourth street....	A. I. Foster Steamboat Co.....	"	5 00 per day.....	Minutes, March 15 and April 20, 1894.
Berth at Pier foot of West Fiftieth street.....	Steamboat "Albany" .....	"	2 50 "	Minutes, December 18, 1893.
"	U. S. Steamship "Minnesota "	"	6 00 "	
Berths at Pier foot of West Fifty-fifth street .....	Kaickerbocker Steamboat Co.	"	75 "	Minutes, December 28, 1893.
Cable box at foot of Seventy-ninth street.....	Postal Telegraph Co.....	"	2 00 per month.....	" April 6, 1893.
Bulkhead foot of Eighty-first street .....	John A. Bouker.....	"	2 00 per day.....	" " 20, 1894.
Berth for bath-house between Fifty-second and } Eighty-third streets.....	Mrs. James Mahon .....	"	2 00 per month.....	{ Minutes, April 21 and September 22, 1892.
Berth for bath, etc., between Eighty-third and Eighty-fourth streets.....	John Dorschell .....	"	10 00 "	Minutes, May 5 and June 2, 1892.
Land under water for boat-house foot of Eighty-sixth street.....	Columbia Yacht Club.....	"	12 50 "	" August 4, 1892.
Land under water for boat-house foot of Ninety-second street.....	Hudson River Yacht Club...	"	12 50 "	" " 4, 1892.
Berth for float and crib-work at Ninety-fifth street.....	Garritt May.....	"	4 16 "	" September 10, 1891.
Coal-hoist, etc., foot of Ninety-sixth street.....	Trapp & Bussing .....	"	1 00 per day .....	" November 2, 1893.
Boat-house and float south of One Hundred and Second street.....	Bloomington Boat Club.....	"	6 25 per month.....	" April 13, 1893.

Boat house and float foot of One Hundred and Seventh street.....  
 Coal-boat, etc., between One Hundred and Thirty-first and One Hundred and Thirty-second street.....  
 Bath-house at One Hundred and Fifty-first street.  
 Boat-house and float south of One Hundred and Fifty-first street.....  
 Land under water for bath-house south of One Hundred and Fifty-fifth street.....  
 Land under water for bath-house north of One Hundred and Fifty-fifth street.....  
 Land under water for boat-house north of One Hundred and Fifty-eighth street.....  
 Boat-house and float at One Hundred and Sixty-second street.....  
 Boat-house and float between One Hundred and Sixty-eighth and One Hundred and Sixty-ninth streets .....

*East River.*

Berth at Battery landing.....  
 " ....."  
 " ....."  
 " ....."  
 Platform West of Pier 4.....  
 Land under water for platform southerly side of Pier foot of Eighth street.....  
 Berth south side of Pier foot of Twenty-eighth street.....  
 Bulkhead foot of Forty-fifth street.....  
 Dumping-board foot of Forty-sixth street.....  
 Dumping-board north of Fiftieth street.....  
 Berth for bath foot of Fifty-sixth street.....  
 Dumping-board between Fifty-ninth and Sixtieth streets.....  
 Land under water for platform and extension to platform north of Sixty-second street.....  
 Dumping-board between Seventy-first and Seventy-second streets.....

Edward McDonald.....  
 George Grossman.....  
 William H. Jones.....  
 Young Men's Christian Association.....  
 Peter H. Hunt.....  
 William Kramer.....  
 F. T. Volk.....  
 John Veitch.....  
 John Wagner.....  
 Al. Foster Steamboat Co.....  
 N. Y. & Long Branch Steamboat Co.....  
 Steamboat "Eliza Hancox".....  
 Knickerbocker Steamboat Co.....  
 N. Y. & Northern Ry. Co.....  
 George V. Brower.....  
 Schoolship St. Mary.....  
 J. Fleischhauer.....  
 Kane & Wright.....  
 Brown & Fleming.....  
 M. Koenig.....  
 Brown & Fleming.....  
 Farmers' Feed Co.....  
 John A. Bouker.....

\$2 30 per month.....  
 6 00 per week.....  
 10 00 per month.....  
 1 00 ".....  
 8 33 ".....  
 2 00 ".....  
 1 00 ".....  
 2 00 ".....  
 4 00 ".....

\$5 00 per day for each boat.....  
 5 00 per day for each boat.....  
 5 00 per day.....  
 25 00 ".....  
 444 75 per annum.....  
 9 88 per month.....  
 1 00 per day.....  
 10 00 per month.....  
 3 00 per day.....  
 50 ".....  
 12 50 per month.....  
 1 00 per day.....  
 7 40 per week.....  
 24 77 per month.....

Minutes, September 1, 1892.  
 Minutes, January 11 and February 13, 1894.  
 Minutes, April 20, 1894.  
 " July 16, 1891.  
 " June 30, 1892.  
 " July 28, 1892.  
 " June 16, 1892  
 " September 8, 1893.  
 { Minutes, June 29 and August 3, 1893.  
 Minutes, March 15, 1894.  
 { Minutes, March 22 and Apr. 30, 1894.  
 Minutes, July 27 and Aug. 3, 1893.  
 Minutes, July 6, 1893.  
 " January 4, 1890.  
 " May 12, 1892.  
 " November 10, 1892.  
 " May 17, 1888.  
 Minutes, Aug. 23 and Oct. 25, 1888.  
 Minutes, February 26, 1891.  
 " June 9, 1892.  
 " " 8, 1893.  
 " May 9, 189c.  
 { Minutes, May 24 and June 14, 1888.

PROPERTY.	OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.
<i>Harlem River.</i>				
Car tracks on Marginal street, between One Hundred and Ninth and One Hundred and Tenth streets.....	Forty-second Street, Manhattanville and St. Nicholas Avenue Railroad Co.....	At pleasure of the Board.	\$8 33 per month .....	Minutes, January 12, 1893.
Berth for float at One Hundred and Ninth street.	Hiram McDonald.....	"	50 per day.....	Minutes, March 30 and April 6, 1893.
" " Tenth street..	C. Velje.....	"	50 "	Minutes, March 30 and April 6, 1893.
Berth for float north of One Hundred and Sixteenth street .....	William Milner.....	"	8 33 per month .....	Minutes, May 12, 1892.
Land under water for boat-house foot of Lexington avenue.....	William Oliver .....	"	10 00 "	Minutes, April 3, 1890, and January 28, 1892.
Land under water for boat-house foot of Lexington avenue.....	Bohemian Boat Club .....	"	10 00 "	
Land under water for boat-house between Lexington and Fourth avenues .....	Nassau Boat Club .....	"	5 00 "	Minutes, May 11, 1892.
Land under water for boat-house foot of One Hundred and Fifty-third street .....	Lone Star Boat Club.....	"	5 00 "	" July 28, 1892.
Land under water for boat-house foot of One Hundred and Fifty-fourth street... ..	Xavier Boat Club.....	"	2 00 "	" May 26, 1892.
Land under water for boat-house foot of One Hundred and Fifty-fourth street.....	James Moss.....	"	5 00 "	{ Minutes, April 30, 1891, and September 22, 1892.
Berth for float at Lincoln avenue.....	J. W. Dunican.....	"	1 00 per day.....	
Berth for float foot Bungay street.....	Morris Deutsch .....	"	5 00 per month .....	Minutes, September 22, 1892.

## DEPARTMENT OF DOCKS

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At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Tuesday, May 2, 1893, at 12 o'clock M.

Present—President Cram.

.. Commissioner Phelan.

Mr. Andrew J. White, appointed Commissioner of Docks on the first instant, for a term of six years from May 1, 1893, to succeed Edwin A. Post, whose term of office had expired, presented his certificate of appointment, and took his seat as a member of the Board.

On motion, the Secretary was directed to enter a copy of his appointment in full on the minutes, as follows :

CITY OF NEW YORK, {  
OFFICE OF THE MAYOR, {

Know all men by these presents, that by virtue of the power in me vested, I do hereby appoint Andrew J. White a Dock Commissioner, for a term of six years, beginning May 1, 1893, to succeed Edwin A. Post, term expired.

In witness whereof, I have hereunto set my hand and affixed my seal of office, this first day of May, A. D. one thousand eight hundred and ninety-three.

[SEAL.]

(Signed),

THOS. F. GILROY, Mayor.

The President appointed Commissioner White a member of the Auditing Committee.

On motion of the President, the following resolution was adopted :

Resolved, That the Secretary be directed to keep accurate lists of all entries of the vessels that are berthed at the New York docks, both foreign and domestic, with a statement of the tonnage, and that said entries be divided into two classes, namely, vessels from foreign ports and vessels from ports of the United States ; and that a monthly statement be rendered to the Board of such entries and tonnage, to take effect from the first of May, 1893.

On motion, the Secretary was directed to request the Governor to withhold his approval from any bills affecting the Department until the Board have had an opportunity of examining them.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, May 4, 1893.

Present—President Cram.

“ Commissioner Phelan.

“ “ White.

The minutes of the meetings held April 29 and May 2 were read and approved.

Howard Carroll, representing John H. Starin, appeared, and requested the Board to proceed with the construction of the sea-wall through the Starin property, at or near the foot of Dey street, North river, and agreed to pay the City the actual cost of doing said work.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed forthwith with the building of the sea-wall on the Starin property, from the termination of the existing wall at or near the foot of Dey street, in accordance with the plans heretofore approved by this Department, the details of the payments for said work to be arranged by the Treasurer.

The report of the Treasurer, submitting a list of wharf property to be sold at public auction, referred to him on the 4th instant, was tabled for one week.

The report of the Engineer-in-Chief on Secretary's Order No. 12749, submitting plans, specifications and form of contract for the construction of a crib-work around Riker's Island, was tabled for one week.

The report of the Engineer-in-Chief on Secretary's Order No. 12780, submitting specifications and form of contract for preparing and for laying a pavement on the new made land in rear of the bulkhead-wall at East Ninety-fourth street section, on the East river, and East One Hundred and Tenth street section, on the Harlem river, was taken from the table, placed on file, and the specifications and form of contract approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

The following permits were granted, to continue only during the pleasure of the Board :

Glasco Ice Company—For ice bridge, scales and weigh office on the bulkhead between Fourteenth and Fifteenth streets, North river.

George Ferris—For watchman's house on the bulkhead between Piers 61 and 62, East river.

Merchants' and Tanners' Line—Derrick, tally-house and scales on the bulkhead between West Eleventh and Bank streets.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

John F. Doyle & Sons—To repair Pier 15, East river.



**N. F. Palmer, Jr., & Co.**—To repair the Pier foot of East Thirteenth street.

**New York and College Point Ferry Company**—To repair ferry rack foot of East Ninety-second street.

**Merchants' and Tanners' Line**—To repair the bulkhead between West Eleventh and Bank streets.

The communication from Woodrow & Lewis, requesting permission to place about 1,000 bales of cotton on the new made land near the foot of Franklin street, for the purpose of holding an auction sale, was referred to the Treasurer with power.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Approving Contracts Nos. 440 and 441.

2d. As to whether the provisions of chapter 397 of the Laws of 1893 do not repeal chapter 187 of the Laws of 1893.

From the Finance Department—In reference to the substitution of sureties on Contract No. 437.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted for the substitution of Louis Roller as surety in the place of Henry L. Callahan, on estimate of Sheridan & Byrne, for preparing for and building an iron awning shed on the Pier foot of West Thirty-fourth street, North river, under Contract No. 437.

From the Health Department—Requesting the Board to set apart for the use of the offal contractor the outer half of the Pier foot of West Thirtieth street, in accordance with provisions of chapter 187 of the Laws of 1893. The Secretary directed to advise said Board that the premises referred to were set aside for that purpose January 7, 1892.

From E. A. Cruikshank, attorney—Protesting against the berthing of a bath on the south side of the Pier foot of East Ninety-fourth street.

From Tully & O'Connell—Requesting permission to dump about two hundred loads of cellar dirt at the foot of East Eighty-sixth street for the purpose of loading same on a scow. Application denied.

From the Ocean Steamship Company of Savannah, lessee—Requesting the amendment of the lease of Pier, new 35, North river, so as to conform with the resolution adopted by the Board. The Secretary directed to request the Counsel to the Corporation to make necessary amendment.

From Rear Admiral Gherardi, U. S. Navy—Thanking the Board for the accommodations provided for landing the man of war boats.

On motion, ordered to be spread in full on the minutes, as follows :

NAVAL REVIEW FLEET.  
U. S. FLAGSHIP "PHILADELPHIA," }  
NEW YORK, 2d May, 1893.

GENTLEMEN—I have to sincerely thank you for the excellent landing places you have provided for the use of the boats of the Review Fleet. The arrangement and location are all that I could possibly desire. Again thanking you, I am, gentlemen,

Very respectfully,

(Signed)

BANCROFT GHERARDI,  
Rear Admiral, U. S. N., Commander-in-Chief.

From the National Steamship Company, lessee—Requesting permission to sub-let a portion of Pier, new 39, North river, to the Panama Railroad Company.

On motion, the following resolution was adopted :

Resolved, That license and consent be and hereby is granted the National Steamship Company, lessee of Pier, new 39, North river, to sublet to the Panama Railroad Company so much of the wharfage granted by a certain lease, dated June 4, 1892, as may accrue at a portion of said pier, provided the said lessee, the National Steamship Company, and the sureties to said lease, shall file an agreement in writing with this Board, that their obligations under the provisions thereof shall not in any manner be affected or impaired by reason of such license and consent to the said subletting.

From the Knickerbocker Steamboat Company—Requesting permission to land their boats during the ensuing summer season at the wharf at Castle Garden.

On motion, the following resolution was adopted :

Resolved, That permission be and the same is hereby granted the Knickerbocker Steamboat Company to land their boats at the wharf at Castle Garden, during the ensuing summer season, provided the consent of the Department of Public Parks is obtained thereto, compensation for said privilege to be fixed by the Treasurer.

From Dock Master Kenney—Reporting that the steamboat "New Brunswick" can be accommodated at the Pier foot of West Thirteenth street. Notify the Citizen's Steamboat Company.

From Dock Master Stack :

1st. Reporting repairs required to the approach to Pier at East Twenty-eighth street. The Engineer-in-Chief directed to repair.

2d. Recommending the removal of a small house located on the Pier foot of East Twenty-eighth street. The Dock Master directed to remove the same.

From the Treasurer :

1st. Recommending that the compensation to be charged Fincke & Hanfield for a berth for a swimming bath at the Pier foot of East Third street be fixed at the rate of \$5 per day, Sundays included, payable at the end of each week to the Dock Master of the district. Recommendation adopted.

24. Reporting that he arranged with Thomas Dunn to dump about 1,500 loads of filling West Ninety-third street; compensation to be paid therefor at the rate of 20 cents per load. Not approved.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending 3, 1893, amounting to \$88,125.62, which was received and ordered to be spread in full in the minutes, as follows :

NO.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
					1893.
1	Thomas J. Dunn.....	Filling in at 97th st., N. R.....	\$100 00		
2	Francklyn & Ferguson.....	Testing cement.....	10 00		
3	Thomas Smith.....	Filling in at 44th street, N. R.....	1,000 00		
4	".....	" 97th st., N. R.....	1,000 00		
5	A. T. Decker & Co.....	1 qrs. rent, Pier foot of Bethune st., N. R.....	1,030 31		
6	James Shewan & Son.....	1 mos. rent Dry Dock, Pier 61, E. R.	208 33		
7	Ridgewood Ice Co.....	" bhd. pfm. 78th and 79th st., E. R.....	158 33		
8	Hercken & Co.....	1 qrs. rent, bhd. foot 4th st., E. R.....	37 50		
9	James E. Ward & Co. ....	" East ½ Pier 18, E. R.,....	2,375 00		
10	".....	1 mos. rent, l. u. w. for pfm. bet Piers 16 and 17, E. R.....	147 86		
11	Consolidated Gas Co.....	1 qrs. rent, bhd. foot 15th st., E. R....	68 75		
12	Associates of the Jersey Co...	" South ½ Pier 18 and bhd. N. R.....	2,000 00		
13	N. J. R. R. & Transportation } Co.....	" l. u. w. for pfm. south of Desbrosses st., N. R... .	250 00		
14	Pennsylvania R. R. Co.....	" Reclaimed land, south Pier, old 1, N. R.....	250 00		
15	".....	" l. u. w., for pfm. south Pier 16, N. R.....	250 00		
16	".....	" Piers, new 27 and 28, and bhd., N. R.....	13,750 00		
17	".....	" Pier at 38th st., N. R....	2,500 00		
18	".....	" l. u. w. for extension to bhd. bet. Piers, new 3 and 6, and widening Piers 4 and 5, N. R.....	4,500 00		
19	Quebec Steamship Co.....	" Pier, new 47 and bhd., N. R.....	5,000 00		
20	".....	1 mos. rent, bhd. bet. Piers, 46 and 47, N. R.....	83 37		
21	Compagnie Generale Transatlantique .....	1 qrs. rent, Pier, new 42, N. R.....	11,625 00		
22	N. Y. & Baltimore Trans. Co..	" l. u. w. for pfm. bet. Piers 6 and 8, N. R.....	100 00		
				\$46,444 45	May 1

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
May 1	F. A. Irish. ....	Sale of Map, 62d and 63d sts., E. R. . .	\$4 00		
" 1	George H. Penniman. ....	1 qrs. rent, l. u. w., for widening and extension to Pier, old 36, E. R. ....	750 00		
" 1	Del. Lack. & Western R. R. Co. ....	" l. u. w. for pfm. bet. Piers, 18 and 19, N. R. ....	375 00		
" 1	Cunard Steamship Co. ....	" Pier, new 40, N. R. ....	7,625 00		
" 1	Peter Charles. ....	" l. u. w. for pfm bet. Piers 38 and 39, E. R. ....	100 00		
" 1	Metropolitan S. S. Co. ....	" l. u. w. for pfm at bhd., north side Pier 10, N. R. ....	187 50		
" 2	Allan State Line. ....	" Pier foot 21st st., N. R. ....	6,250 00		
" 2	James Gillies & Sons. ....	" bhd. bet. 49th and 50 h st., N. R. ....	87 50		
" 2	B. F. Clyde. ....	" E. ½ Pier 23, and W. ½ Pier 34 and bhd, E. R. . .	2,000 00		
" 2	Homer Ramsdall Trans. Co. . .	" Pier, new 24, N. R. ....	7,171 55		
" 2	"	" Pier at 133d st., N. R. ....	300 00		
" 2	Bridgeport Steamboat Co. ....	" wharf structure, Pier 35, E. R. ....	375 00		
" 2	George A. Woods. ....	Wharfage, District No. 2, N. R. ....	786 30		
" 2	Edward Abeel. ....	" 4, " ....	285 15		
" 2	B. F. Kenney . ....	" 6, " ....	188 52		
" 2	William B. Osborne. ....	" 8, " ....	196 25		
" 2	James J Fleming. ....	" 10, " ....	88 42		
" 2	Thomas P. Walsh. ....	" 12, " ....	40 50		
" 2	Henry A. Palmstine. ....	" 1, E. R. ....	156 69		
" 2	Charles S. Coye. ....	" 3, " ....	301 77		
" 2	James A. Monaghan. ....	" 5, " ....	280 52		
" 2	Maurice Stack. ....	" 7, " ....	155 73		
" 2	Joseph F. Meehan . ....	" 9, " ....	159 85		
" 2	James W. Carson . ....	" 11, " ....	49 62		
" 2	John J. Martin. ....	" 13, " ....	63 80		
" 3	Central R. R. of N. J. ....	1 mos. rent, S. ½ Pier 14 and bhd., N. R. ....	\$1,437 50	\$27,978 67	May
" 3	"	1 qrs. rent, N. ½ Pier 12 and bhd. bet. Piers 12 and 13, N. R. . .	2,750 00		
" 3	"	" Pier 13 and bhd. S., N. R. .	6,000 00		
" 3	"	" l. u. w., pfm. S. side Pier 8, N. R. ....	375 00		
" 3	"	" l. u. w., pfm. Piers 12 and 13 and 13 and 14, N. R. .	400 00		

[MAY 4, 1893.]

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
May 3	Western Stock Yard Co .....	1 qrs. rent, Pier, etc., foot 40th st., N. R.	\$1,925 00		
" 3	Union Stock Yard Co.....	" Pier, foot 58th st., N. R...	750 00		
" 3	Equitable Gas-light Co.....	" bhd. foot 40th st., E. R....	37 50		
" 3	" .....	" bhd. foot 41st st., E. R.....	27 50		
				\$13,702 50	May 3
			\$89,125 62	\$88,125 62	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of six bills or claims, amounting to \$10,555.27, which were approved and audited and ordered to be spread in full on the minutes, as follows :

*Construction Account.*

Audit No.	Name.	Amount.	Total.
13222.	Alfred J. Murray, spruce.....	\$2,581 75	
13223.	Morris & Cumings Dredging Company, dredging.....	2,500 00	
13224.	Robert P. Staats, Estimate No. 4, final, Contract No. 430.....	5,197 76	
13225.	Car fares .....	127 78	
13226.	Incidentals.....	48 38	
			\$10,455 67

*Annual Expense Account.*

13227.	Incidentals and car fares.....	99 60
		\$10,555 27

Respectfully submitted,

JAMES J. PHELAN, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13185.	Sand.....	\$975 00
13186.	Broken stone.....	2,600 00
13187.	Flange iron, etc.....	68 00
13188.	Wrought iron.....	1,415 33

Register No.	For What	Estimated
13189.	Second-hand iron chain .....	\$4
13190.	Charging barrows.....	41
13191.	Iron work.....	1,75
13192.	Piles.....	1,70
13193.	Rubber hose.....	25
13194.	Fernoline, per gallon .....	
13195.	Paraffine varnish.....	1
13196.	Naphtha.....	3
13197.	Wrought iron.....	33
13198.	Yellow pine .....	2
13199.	Augers and chisels.....	10
13200.	Spruce, per M .....	2
13201.	Steam fittings, etc.....	4
13202.	Coal tar residuum.....	21
13203.	Grindstone.....	1
13204.	Piles .....	1,60
13205.	Portland cement.....	2,25
13206.	Second-hand iron chain.....	4
13207.	Piles.....	3,00
13208.	White pine .....	16
13209.	Dredging.....	2,50
13210.	Portland cement.....	6,75
13211.	Services of horse, cart and driver.....	101
13212.	“ “ .....	10
13213.	Cement, per barrel.....	:
13214.	“ “ .....	:
13215.	Services of tugs, per hour.....	!
13216.	Pile chains, etc., per lb.....	} }
13217.	Services of horse, cart and driver.....	210
Requisition No.		
602.	Hickory wood.....	\$11

The Treasurer reported that he had received estimates for furnishing the Department with c spruce, sand, broken stone, wrought iron, charging barrows, iron work, piles and Portland cem as follows :

About 200 Gross Tons Egg Coal.

David Duncan & Son.	\$3 79 per 1
William Horre & Co	3 88 “
Stokes & Thedford..	3 85 “
Meeker & Co.....	4 15 “

*About 1,500 Cubic Yards of Sand.*

Brown & Fleming .....	\$0 64	per cubic yard.
Murray & Co. ....	68	"
Alexander J. Howell .....	72	"
John A. Bouker .....	80	"
James McLaughlin ....	<u>73</u>	"

*About 2,000 Cubic Yards Broken Stone.*

Hudson River Stone Supply Company .....	\$1 33	per cubic yard.
Brown & Fleming .....	1 34	"
Alexander J. Howell .....	1 48½	"
Calvin Tompkins .....	1 56¾	"
John A. Bouker .....	<u>1 65</u>	"

*About 35,250 Pounds of Wrought-Iron Bolts, Spikes, etc.*

Peter Timmes' Sons .....	\$1,267 51
Alexander Pollock .....	1,268 67
Greenlie, Wyatt & Co .....	1,268 67
Theodore Smith & Brother .....	.....
John Loyd .....	<u>1,390 00</u>

*3 Steel Plate Charging Barrows.*

H. A. Rogers .....	\$80 00 each.
Alexander Pollock .....	85 00 "
John Loyd .....	100 00 "
Milliken Brothers .....	100 00 "
Robert Deeley & Co .....	<u>133 33⅓ "</u>

*Iron Work.*

Milliken Brothers .....	\$0 0444 per pound.
Theodore Smith & Brother .....	Total amount 1,595 00 "
Greenlie, Wyatt & Co .....	07 "
John Loyd .....	05¾ "
Alexander Pollock .....	08¼ "
H. A. Rogers .....	<u>05 1/8 "</u>

*About 200 Sound and Straight Pine Piles, 50 feet to 55 feet long, 22 feet from the butt.*

E. Moss & Co .....	\$12 50 each.
C. N. Kimpland .....	13 10 "
Graves & Steers .....	13 30 "
W. H. Beard .....	13 25 "
Alfred J. Murray .....	<u>14 50 "</u>

About 200 Piles, 55 to 60 feet and 60 to 65 feet long.

	55 TO 60 FEET.	60 TO 65 FEET.
Graves & Steers.....	\$12 50 each.	\$13 50 each.
E. Mors & Co.....	13 10 "	13 75 "
W. H. Beard.....	14 00 "	14 00 "
C. N. Kimpland.....	14 00 "	14 25 "
Alfred J. Murray.....	13 60 "	14 75 "

About 300 Piles, 70 Feet to 75 Feet Long.

C. N. Kimpland.....	\$15 90 each.
Alfred J. Murray .....	17 00 "
W. H. Beard... ..	16 60 "
E. Mors & Co.....	16 00 "
Graves & Steers .....	16 00 "

About 1,000 Barrels Quick Setting Portland Cement.

Marcial & Co.....	\$2 20 per barrel.
Francklin & Ferguson.....	2 20 "
Baetjer & Meyerstine.....	2 24 "
James Brand.....	2 35 "

The action of the Treasurer in awarding the orders to David Duncan & Son, Brown & Fleming, Hudson River Stone Supply Company, Peter Timmes' Son, H. A. Rogers, Milliken Bros., E. Mors & Co., Graves & Steers, C. N. Kimpland and Marcial & Co., they being the lowest bidder, is approved.

From the Engineer-in-Chief—Report for the week ending April 29, 1893.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 12823. Recommending that a sign be placed on the bulkhead in front of Bellevue Hospital forbidding the landing of vessels thereat. Recommendation adopted. The Dock Master directed to enforce the order of the Board and the Department of Public Charities and Correction authorized to have its employees cast off any lines made fast to said bulkhead.

No. 12676. Reporting that he had supervised the erection of an annex to the boat-house of the Bloomingdale Boat Club, south of One Hundred and Second street, North river.

No. 12039. Submitting plans, specifications and form of contract for the construction of a wharf on the Pier foot of West Fifty-second street. Approved, subject to the approval of the Council of the Corporation as to form, and the Secretary directed to advertise for estimates.



[MAY 4, 1893.]

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

- No. 12701. Repairs to Pier at Forty-fourth street, North river.
- No. 12702. Repairs to Pier at Nineteenth street, North river.
- No. 12793. Repairs to Pier at Nineteenth street, North River.
- No. 12794. Repairs to Pier foot of Bloomfield street.
- No. 12795. Repairs to Pier at West Thirteenth street.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

- No. 12453. Removal of ice bridge on the bulkhead between Twentieth and Twenty-first streets, North river, and replacing of pavement thereat.
- No. 12546. Raising of sunken canal-boat at East Seventy-sixth street.
- No. 12637. Repairs to Pier 53, East river.
- No. 12608. Placing of scale, weigh office and ice-platform on the bulkhead south of Little Twelfth street.
- No. 12717. Dredging on the north side of the Pier foot of East Seventh street.
- No. 12752. Repairs to ferry-rack foot of East Ninety-second street.
- No. 12753. Erection of office on Pier, old 59, North river.
- No. 12767. Removal of refuse from the Pier foot of East Forty-fourth street.
- No. 12768. Repairs to the bulkhead between West Eleventh and Bank streets, and the erection of a derrick, tally-house and scales thereat.
- No. 12770. Repairs to Pier 3, East river.
- No. 12789. Placing of pile-driver and boiler on the Pier foot of West Thirteenth street.

The Engineer-in-Chief returned Secretary's Order No. 12738.

The President gave notice that at the next meeting of the Board he would offer for adoption a resolution for the construction of Pier, new 19, North river, and for the building of a bulkhead wall by the force of the Department from the present termination of the wall near the foot of Warren street to and through Pier, old 29, North river.

On motion of the President, the Secretary was directed to notify the owners of the bulkheads between Barclay and Warren streets to remove the sheds from said bulkheads within thirty days, or the work of removal will be done by the force of the Department.

On motion, the Engineer-in-Chief was directed to maintain the man-of-war landings at the following locations until otherwise ordered, viz., foot of Twenty-third, Forty-second, Fifty-ninth, Sixty-second and Ninety-sixth streets, North river.

On motion of the President, the Counsel to the Corporation was requested to advise the Board whether it can proceed with the construction of a pier at the foot of East Ninety-first street without risk of being enjoined.

On motion of the President, the resolution adopted April 6, 1893, was amended so as to read as follows :

Resolved, That the bulkhead along the southerly side of West Eleventh street, from a point about fifteen feet westerly of the bulkhead along West street to a point about one hundred and ninety-five feet westerly of said bulkhead along West street, being about one hundred and twenty feet, be and hereby is set apart as a berth for coal and wood boats.

The Secretary reported the pay-rolls for the month ending April 30, 1893, amounting to \$12,945.51, and the pay-rolls for the General Repairs and Construction Force for the week ending April 28, 1893, amounting to \$11,673.59, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the President was directed to advise the Comptroller that the Board recommended a compromise of the judgment obtained against O. D. Pierson for the rental of the bulkhead on southerly side of West One Hundred and Thirty-fifth street.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then convened in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file, viz. :

From the Engineer-in-Chief :

1st. Reporting the suspension of Laborers Thomas Fitzpatrick and James McEntee and recommending that they be discharged. Recommendation adopted.

2d. Reporting that Edward O'Brien, Laborer, has been laid off and is unassigned to duty for having been absent from all duty three successive days without being excused. On motion, said O'Brien was discharged.

From Peter C. Spence—Requesting promotion to the position of Leveler. Request the Civil Service Boards to examine him for promotion.

The following persons were appointed :

*Dock Builders.*

Lawrence F. Garvey.

Fred Derouin.

Edward Akerstrom.

William Johnson.

Andrew Livingston.

Peter Rutledge.

*Laborers.*

Michael Clarke.

Peter Shaneley.

Michael Shea.

John B. Farrell.

Thomas Lawlor.

Matthew Coughlin.

Charles Jones.

James J. Mangin.

John B. Wilkinson.

*Stone Cutler.*

James Meadoule.

*Foreman of Dock Builders.*

Benjamin Burns.

On motion, the Board adjourned until 1 o'clock P. M. and then proceeded to open estimates for dredging in the slip on the northerly side of Pier 61, East river, under Contract No. 440 ; for preparing for and building an iron awning shed with appurtenances on the Pier foot of East Third street, East river, under Contract No. 441 ; for preparing for and building a new crib-bulkhead adjoining the store-house dock, Blackwell's Island, East river, and for building a boat-landing and for dredging thereat, under Contract No. 442 ; a representative of the Comptroller being present.

One estimate was received for Contract No. 440, as follows :

Morris & Cumings Dredging Company, with security deposit, \$100.....98 cents per cubic yard

One estimate was received for Contract No. 441, as follows :

Thomas J. Sheridan, with security deposit, \$80..... \$3,925 00

One estimate was received for Contract No. 442, as follows :

	CLASS 1.	CLASS 2.	CLASS 3.
John W. Flaherty, with security deposit, \$200.....	\$15. 00	\$10,650 00	\$1,875 00

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates.

Whereupon, the following resolutions were adopted :

Resolved, That the contract opened this day, for dredging in the slip on the northerly side of Pier 61, East river, be and hereby is awarded to the Morris and Cumings Dredging Company, it being the only bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for preparing for and building an iron awning shed with appurtenances, on the pier foot of East Third street, East river, be and hereby is awarded to Thomas J. Sheridan, he being the only bidder, upon the approval of the sureties by the Comptroller.

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On motion, the following preamble and resolution were adopted :

Whereas, This Board deems it to be for the best interests of the City to reject the bid submitted this day for preparing for and building a new crib bulkhead adjoining the storehouse dock, Blackwell's Island, East river, and for building a boat landing and for dredging thereat ;

Resolved, That the bid opened this day under Contract No. 442 be and the same is hereby rejected.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. 100 Battery place, Thursday, May 11, 1893, at 11 o'clock A. M.

Present President Cram

" Commissioner Phelan.

" " White

The minutes of the meeting held May 4, 1893, were read and approved.

Frank S. Gannon appeared on behalf of the Baltimore and Ohio Railroad Company respecting a resolution of March 1, 1893, requesting permission to erect a shed on Pier, new 22, North river, and adjoining bulkheads, and requested that the rental of said pier and bulkheads be determined.

On motion, the following preamble and resolutions were adopted:

Whereas, The Baltimore and Ohio Railroad Company made application to this Board March 1, 1893, requesting a lease of Pier, new 22, North river, when built, and the bulkheads adjoining on each side of said pier, together with permission to shed said pier and bulkheads, be it

Resolved, That, by virtue of the power and authority vested in this Board by law, and especially by subdivision 6 of section 6 of chapter 574 of the Laws of 1871 and section 716 of chapter 410 of the Laws of 1882, commonly called the New York City Consolidation Act, as amended by chapter 521 of the Laws of 1889, Pier, new 22, North river, and the bulkheads extending from a point eighty-two and one-fourth feet south of the southerly side of said pier to a point eighty-four and one-half feet north of the northerly side of said pier, a distance of two hundred and forty one and three quarters feet, be and hereby is appropriated to the sole use of the various kinds of commerce carried on by steam transportation; and be it further

Resolved, That permission be and hereby is granted the Baltimore and Ohio Railroad Company to construct a shed on Pier, new 22, North river, when built, and on the bulkhead extending from a point eighty two and one fourth feet south of the southerly side of Pier, new 22, North river, to a point eighty-four and one-half feet north of the northerly side of said pier, a distance of two hundred and forty-one and three-quarters feet, extending a distance of fifty feet inshore from the southerly side of said bulkhead, in accordance with the statutes in such cases made and provided, and in accordance with the plans and specifications to be submitted to and approved by this Board; and shed to be erected under the supervision of the Engineer-in-Chief and revert to and become the property of the Mayor, Aldermen and Commonalty of the City of New York, at the expiration or termination of the lease of said pier and bulkheads or any renewal thereof.

Resolved, That the compensation to be charged the Baltimore and Ohio Railroad Company for the rental of Pier, new 22, North river, and adjoining bulkheads, under the resolution of March 1, 1893, be and hereby is fixed at the rate of forty-seven thousand dollars per annum, payable quarterly in advance to the Treasurer of this Department, for the first term of ten years, commencing from the date when said pier is built and ready for occupation, and for the second term of ten

years the sum of fifty-one thousand seven hundred dollars per annum, payable quarterly in advance as above.

Provided that the said Baltimore and Ohio Railroad Company shall, within five days after receipt hereof, accept in writing the terms and conditions of the above preamble and resolutions.

Simon Stevens, attorney for the executor of the estate of Moses Taylor, deceased, and other owners, appeared and submitted a communication, offering to sell 224 feet, more or less, of the bulkhead on South street, including his client's interests in Piers 12 and 13, East river, for the sum of \$1,000 per lineal foot, measured on the bulkhead-line.

On motion, the following preamble and resolution were adopted :

Whereas, Simon Stevens, attorney, has this day offered to sell to the Corporation of the City of New York the two hundred and twenty-four feet and half an inch, more or less, of bulkhead owned by his clients, including their interests in Piers 12 and 13, East river, next northerly of Old Slip, together with all wharfage rights, terms, easements and privileges appertaining thereto or connected therewith, upon the identical terms and conditions specified in their agreement made and entered into with this Department on the 10th day of November, 1886, at the rate of one thousand dollars per lineal foot, measured on the bulkhead-line, including their interests in Piers 12 and 13, East river, subject to a lease of said premises to Dumois & Company for five years from January 1, 1891, at a rental of fourteen thousand dollars per annum, which lease is to be assigned to the City when the property is conveyed; therefore, be it

Resolved, That the said offer to sell the said property for the sum of one thousand dollars per lineal foot, measured on the bulkhead line, be and the same is hereby accepted; provided, however, that a good and sufficient title, in all respects, to the said property, together with all rights, terms, easements and privileges appertaining thereto or connected therewith, can be acquired by, and conveyed to, and vested in, the Mayor, Aldermen and Commonalty of the City of New York, free and clear, in all respects, of all charges, liens and encumbrances of whatever kind, name or nature, except the lease to Dumois & Company, above referred to, subject, however, to the approval of the Commissioners of the Sinking Fund; and that an agreement to the foregoing effect, and in pursuance of section 715 of the New York City Consolidation Act of 1882, be entered into by this Department to purchase the said property, at the said price, from the owners thereof.

The communication from the Engineer in Chief, submitting plans for the improvement of the water-front between the northerly side of Pier, new 46, North river, and the southerly side of West Twenty-third street, and the report of the Engineer-in-Chief on Secretary's Order No. 12524, submitting map and plan for the improvement of the water-front between Seventy-second and One Hundredth streets, North river, were tabled for one week.

The matter of the construction of Pier, new 19, North river, and the building of a bulkhead wall from Warren street south was tabled for one week.

The report of the Treasurer, submitting a list of wharf property to be sold at public auction, was referred to Commissioners Phelan and White.



The following permits were granted, to continue only during the pleasure of the Board :

Heminway & Brown Tally house on Pier 14, East river.

Arnold, Cheney & Co —Tally house on Pier 14, East river.

Muller & Quereau —Tally-house on Pier 9, East river.

James Van Valkenburgh—Tally-house on Pier, new 29, East river.

R. W. Cameron & Co. —Tally-house, engine-house and tool-box, on Pier 9, East river.

Nassau Boat Club—Boat and locker house foot of Lexington avenue, Harlem river, compensation to be paid to the Dock Master at the rate of \$5 per month.

Henry McManus -To convey passengers to the Naval Fleet on a small steam propeller from the foot of Twenty-third, Forty-second and Ninety-sixth streets, North river.

Nathan Straus Ice-box on the Pier at East Third street.

John H. Boelsen -For small float, 9 by 20 feet, at One Hundred and Tenth street, Harlem river. Float to be located under the supervision of the Engineer-in-Chief.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To repair Pier, new 67, North river.

New York, New Haven and Hartford Railroad Company To run a sewer pipe from the corner of Montgomery and South streets, through the bulkhead to the East river.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief.

New York and Long Branch Steamboat Company—Temporary shed on Pier foot of Jane street.

Cleveland H. Dodge To construct a pier, 35 feet square, about one-half mile south of Riverdale Park, North river.

From the Counsel to the Corporation Approving specifications and form of Contracts Nos. 443 and 444.

From the Finance Department :

1st Approving sureties on Contracts Nos. 437 and 440.

2d In reference to the substitution of sureties on Contract No. 441.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the substitution of Louis Roller as surety in place of Henry L. Callahan on estimate of Thomas J. Sheridan for preparing for and building an awning shed on the Pier at the foot of East Third street, East river, under Contract No. 441.

3d Transmitting certified copy of resolution adopted by the Commissioners of the Sinking and approving the change of lines of Pier, new 38, North river.

On motion, ordered to be spread in full on the minutes, as follows :

Resolved, That the Commissioners of the Sinking Fund hereby consent to and approve the change in the length and the width of Pier, new 38, North river, at the foot of King street, set forth in the resolution adopted by the Board of Docks on April 20, and shown on the plan submitted in duplicate by the Engineer-in-Chief of the Department of Docks.

On motion, the following resolutions were unanimously adopted :

Resolved, That the unanimous resolution in regard to the extension of Pier, new 38, North river, adopted on the 16th of March, 1893, be and hereby is rescinded.

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the extension of Pier, new 38, North river, to the pier-head line of 1892, and the widening of the same to the extent of five feet on its northerly side, in accordance with the lines of said pier, approved by the Commissioners of the Sinking Fund, on the 4th day of May, 1893, and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all the material, tools and dredging necessary for the above mentioned work not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

At the request of the Health Department the following resolution was adopted :

Resolved, That the outer two hundred and fifty feet of Pier, new 60, foot of West Thirtieth street, North river, be and the same is hereby assigned to the Health Department, during the pleasure of the Board, for the uses and purposes of the official contractor, to take effect May 1, 1893.

From the Department of Public Charities and Correction—Reporting repairs required to the Pier foot of East Twenty sixth street. The Engineer-in-Chief directed to repair if necessary.

From John A. Bouker—Requesting permission to load scows with earth foot of West Eighty-first street. Application denied.

From James McCartney—Requesting permission to dump on the line of Twelfth avenue, between Twenty-ninth and Thirtieth streets, North river. Application denied.

From the Anchor Brewing Company—Requesting permission to place a small sign on the shed at Pier, old 58, North river. Application denied.

From the Yellow Pine Company—Complaining of a quantity of hay wire on the Pier foot of Bethune street, North river. Notify the lessees to remove.

From the Iron Steamboat Company—Requesting permission to repair the water-pipes in front of Pier, new 1, North river. Permit granted on the usual terms.

From Dock Master Monaghan—Reporting repairs required to Pier 61, East river. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Walsh—Reporting repairs required to the bulkhead between Eightieth and Eighty-first streets, North river. The Engineer in Chief directed to repair if necessary.



From Dock Master Stack—Reporting the storing of sand on the Pier foot of East Twenty-third street, by the Department of Public Works. Notify said Dock Master to appear before Board Thursday, May 18, 1893, at 11 o'clock A.M., and show cause why he should not be charged for allowing sand to be stored on the Piers foot of Thirty-third and Thirty-fifth sts., East river.

From the Treasurer :

1st. Reporting that he granted a permit to Woodrow & Lewis to place about 1,000 bales cotton on the bulkhead near the foot of Franklin street, North river, during the pleasure of the Board, and fixed the compensation therefor at the rate of \$5 per day, Sundays included, payable to the Dock Master of the district. Report approved.

2d. Report as to the communication from the East River Mill and Lumber Company, for a portion of the southerly half of the Pier foot of East Ninety-fourth street, and stating that said company withdraws its application.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending May 10, 1893, amounting to \$42,515.35, which was received and ordered to be spread in full on the minutes, as follows :

PL.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
					1893.
3	Ocean Steamship Co. (of Savannah).....	1 qrs. rent, Pier, new 35, N. R.....	\$10,172 51		
3	Ocean Steamship Co. (of Savannah).....	" bhd. S. Pier, new 35, N. R..	225 00		
4	Catskill & N. Y. Steamboat Co.....	" Pier at W. 11th st., N. side, end and about 160 feet outer S. side.....	875 00		
4	Lehigh Valley R. R. Co .....	" Pier at Gansevoort st., N. R.	875 00		
4	" .....	" l. u. w. bet. Piers 2 and 3, N. R.....	137 50		
4	" .....	" bhd. foot 43d st., E. R.....	75 00		
4	" .....	" bhd. foot 44th st., E. R....	6 25		
5	C. T. Van Santvoord.....	" Pier at W. 22d st., N. R...	3,129 82		
5	N. Y. Central & Hudson R. R. Co.....	" Pier at W. 36th st., N. R..	3,750 00		
5	Old Dominion Steamship Co..	" Pier, new 26, N. R.....	8,509 77		
5	" ..	" bhd. N. and S. Pier, new 26, N. R .....	2,525 00		
5	Pim, Forwood & Co.....	" Pier, new 55, N. R.....	6,250 00		
6	Riverside & Fort Lee Ferry Co.....	" S. side Pier at 131st st. and bhd. bet. 130th and 131st sts., N. R.....	125 00		
6	Riverside & Fort Lee Ferry Co.....	" bhd. pfm. at 130th st., N. R.	100 00		
6	E. M. Van Tassel.....	" bhd. 200 feet S. side W. 11th st., N. R.....	462 50		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	Dr Debit
1893. May 6	Old Colony S. B. Co.....	1 mos. rent, l. u. w. pfm. N. Pier, old 28, N. R.....	\$677 25		18
" 6	" .....	" l. u. w. pfm. S. Pier, old 28, N. R .....	31 50		
" 6	" .....	13 days rent, l.u.w. for extension Pier, old 28, N. R.....	144 91		
" 6	Joseph V. Brown.....	1 qrs. rent, Pier at E. 31st st., E. R....	687 50		
				\$38,759 51	Ma
" 8	John L. Eccles.....	6 mos. rent, Pier, old 59, N. R.....	\$700 00		
" 9	George A. Woods.....	Wharfage, District No. 2, N. R.....	336 80		
" 9	Edward Abeel.....	" 4, " .....	494 95		
" 9	B. F. Kenney.....	" 6, " .....	192 16		
" 9	William B. Osborne.....	" 8, " .....	37 70		
" 9	James J. Fleming.....	" 10, " .....	196 41		
" 9	Thomas P. Walsh.....	" 12, " .....	55 75		
" 9	Henry A. Palmstine.....	" 1, E. R.....	123 90		
" 9	Charles S. Coye .....	" 3, " .....	762 44		
" 9	James A. Monaghan.....	" 5, " .....	231 77		
" 9	Maurice Stack.....	" 7, " .....	240 82		
" 9	Joseph F. Meehan.....	" 9, " .....	193 84		
" 9	James W. Carson .....	" 11, " .....	104 23		
" 9	John J. Martin.....	" 13, " .....	85 02		
				3,755 84	Ma
			\$42,515 35	\$42,515 35	

Respectfully submitted,  
  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty-six bills or claims, amounting \$18,502, which were approved and audited and ordered to be spread in full on the minutes, follows :

Construction Account.

Audit No.	Name.	Amount.
13228.	Alexander Pollock, cant hooks, hose, etc.....	\$184 46
13229.	Columbian Foundry, mooring posts.....	377 01
13230.	Hodgman Rubber Company, divers' materials.....	438 00
13231.	De Grauw, Aymar & Co., rope, etc.....	426 79

[MAY 11, 1893.]

Name.	Amount.
Brown & Fleming, broken stone.....	\$650 00
The American Forcite Powder Manufacturing Company, powder.	206 08
C. F. Harris, agent, towing.....	241 25
Lidgerwood Manufacturing Company, ratchet, rings, etc..	50 00
William Gaskell & Son, bolts, etc.....	68 26
Bell Brothers, spruce.....	135 00
R. Hoe & Co., saws.....	48 00
C. & R. Poillon, oak, etc.....	16 64
Rand Drill Company, repairs.....	96 00
	————— \$2,937 49

*General Repairs Account.*

Bell Brothers, spruce.....	\$840 02
Zimdars & Hunt, bell.....	18 00
C. W. Morgan, empty barrels.....	202 80
John F. Baxter, removing sunken boat.....	200 00
Morris & Cumings Dredging Company, dredging.....	148 80
P. Sanford Ross, Estimate No. 3, Contract No. 435.....	7,662 68
	————— 9,072 30

*Construction Account.*

Morris & Cumings Dredging Company, service of dredge, etc....	\$2,500 00
Abraham Steers, spruce.....	1,259 26
H. A. Rogers, gear blocks, etc.....	815 00
The Metropolitan Telephone and Telegraph Company, telephone service, etc.....	643 77
Alexander Pollock, bolts, iron, etc.....	230 43
Thomas Smith, pavement, etc.....	833 75
	————— 6,282 21

*General Repairs Account.*

Thomas Kelly, services horse, cart, etc.....	210 00
	—————
	\$18,502 00

Respectfully submitted,

JAMES J. PHELAN, } Auditing  
ANDREW J. WHITE, } Committee.

the action of the President in transmitting the same, with requisitions for the amount, to the Department for payment, approved.

The Treasurer reported that he had received the following estimates for furnishing the Department with cast-iron mooring posts and manila rope, as follows :

*About 24,837 Pounds of Cast-iron Mooring Posts and Washers.*

	MOORING POSTS.	WASHERS.
Columbian Foundry.....	\$0 0195 per pound.	\$0 0179 per pound.
James R. Floyd & Sons.....	02 "	02 "
Alexander Pollock.....	02 "	02 "
Robert Deeley & Co.....	Lot, 496 74	
Peter Timmes' Son.....	02 per pound.	0180 per pound.

*About 4,850 Pounds of Manila Rope.*

	2½ AND 3 INCH.	3½ AND 4 INCH.
Travers Bros. & Co.....	8½ cents per pound	8½ cents per pound.
C. Burnett.....	8½ "	8½ "
De Grauw, Aymar & Co.....	8.95 "	8.95 "
William Wall's Sons.....	9½ "	11 "
The Foster Manufacturing Company.....	9 "	9 "
Alexander Pollock.....	8.60 "	8.60 "

The action of the Treasurer in awarding the orders to the Columbian Foundry and Travers Bros. & Co., they being the lowest bidders, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13218.	Spike, washers, etc.....	\$160 00
13219.	Screw-bolts, armature plates, etc.....	2,783 55
13220.	Cast-iron mooring posts, etc.....	465 69
13221.	Spruce.....	228 00
13222.	Spruce.....per M	21 00
13223.	Coke.....	10 50
13224.	Canceled.	
13225.	Blocks, sheaves, etc.....	84 00
13226.	Wrought-iron steam-pipe, etc.....	102 00
13227.	Manila rope.....	424 00
13228.	Paint brushes, etc.....	112 50
13229.	Spikes.....	922 80

Approx No	For What	Estimated Cost.
123	Hoisting machine . . . . .	\$126 00
124	Files, each . . . . .	12 00
125	Pics, each . . . . .	6 45
126	Creosoted yellow pine . . . . . per M	47 00
127	Typewriter . . . . .	112 50
128	Sawer bands . . . . . per pound	04
129	Gelatine forcite powder, etc . . . . .	257 00
130	Dredging . . . . .	2,500 00
131	Stationery and printing . . . . .	192 44
132	Towels . . . . .	18 00

From the Engineer in Chief :

1st Report for the week ending May 6, 1893.

2d. Recommending the taking up and relaying of about 20 square yards of pavement in front of Pier, new 1, North river, about 36 square yards of pavement in the vicinity of Pier, new 14, and the pavement where settled between Charles and West Tenth streets, North river. Recommendation adopted

3d. Reporting repairs required to the Pier at West One Hundred and Fifty-second street. The Engineer-in-Chief directed to repair.

4th. Submitting plans, specifications and form of contract for paving the new-made land between Dey and Barclay streets, North river, and for furnishing about one million five hundred thousand feet of yellow pine timber. Approved, subject to the approval of the Counsel to the Corporation as to form and the Secretary directed to advertise for estimates.

The Engineer in Chief submitted the following reports on Secretary's Orders :

No. 12297 Specifications and form of contract for paving and laying street, etc., on the new made land between West Twenty-fourth and Twenty-fifth streets, North river. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to lay a pavement with concrete foundation, fifty feet wide, westerly of Thirteenth avenue, between Twenty-fourth and Twenty-fifth streets, North river ; and that all the work hereby ordered be done by the force of the Department, by day's work, except so much thereof as is now or may hereafter be contracted for, and that all the material, tools and implements necessary for the said work, which are not now contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882.

No. 12590. Submitting cost of taking up and relaying the pavement in front of Pier, new 42, North river, for the purpose of allowing repairs to the gas-pipe thereat. Treasurer authorized to collect from the Consolidated Gas Company.

No. 12668. Submitting cost of repairing damage to the 100-ton derrick caused by the tug "James A. Dumont." The Treasurer authorized to collect from M. Moran.

No. 12764. Submitting cost of driving one pile on the north side of the Pier foot of East Twenty-sixth street. The Treasurer authorized to collect from the New York Yacht Club.

No. 12810. Submitting cost of repairing damage to the Pier foot of East Twenty-fifth street. The Treasurer authorized to collect from the Greenpoint Ferry Company.

No. 12246. Reporting that he had supervised the erection of a shed on the platform between Piers 51 and 52, East river, by the New York, New Haven and Hartford Railroad Company.

No. 12765. As to the communication from the Department of Public Charities and Correction respecting the repairing and extension of the north dock at Ward's Island.

No. 12825. As to the communication from Simpson, Spence & Young, reporting repairs required to the understructure of Pier, new 56, North river, and recommending that the substructure of said pier be repaired by the force of the Department and the lessees directed to repair the fenders thereon. Recommendation adopted.

No. 12602. Reporting that it is not the intention of H. W. De Forrest and Marietta H. Hull, to avail themselves of the permit granted February 16, 1893, for the repairing and widening of the pile platform at One Hundred and Thirtieth street, Harlem river. Permit revoked.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12409. Repaired the Pier at West One Hundred and Thirty-first street.

No. 12700. Repaired the Pier at West Thirtieth street.

No. 12744. Transferred Dock Master's office from the foot of West Thirteenth street to the foot of Bloomfield street

No. 12745. Painted the Department buildings at West Fifty-seventh street.

No. 12757. Provided a man-of-war landing at West Twenty-third street.

No. 12758. Provided a man-of-war landing at West Forty-second street.

No. 12759. Provided a man-of-war landing at West Fifty-ninth street.

No. 12760. Provided a man-of-war landing at West Eighty-second street.

No. 12781. Provided a man-of-war landing at West Ninety-sixth street.

No. 12809. Tested one barrel of Portland cement, for Francklyn & Ferguson.

No. 12814. Removed temporary shed from the Pier at West Thirtieth street.

No. 12815. Repaired the bulkhead south of West Twelfth street.

No. 12816. Repaired the approach to the Pier at West Thirteenth street.

No. 12817. Repaired the approach to the Pier at Bogart street

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders

No. 12027. Construction of a crib bulkhead and pile dock on the easterly side of the Harlem river and the northerly side of Mott Haven canal, between Railroad avenue and One Hundred and Twenty-fifth street.

No. 12411. Erection of a temporary shed on Pier, new 24, North river.

No. 12452. Repairs to the Pier at West Forty-third street.

No. 12465. Repairs to Pier, new 24, North river.

No. 12718. Placing of a float on the northerly side of East One Hundred and Tenth street.

No. 12719. Placing of a float at East One Hundred and Ninth street.

No. 12799. Construction of a temporary fish-stand on the bulkhead south of Bogart street

No. 12801. Repairs to Pier 23, East river.

No. 12802. Repairs to Pier, old 29, North river.

No. 12822. Repairs to the bulkhead between West Twenty-first and Twenty-second streets.

No. 12825. Construction of a crib-bulkhead on the easterly side of the Harlem river, extending about 341 feet from the northerly side of One Hundred and Thirty-eighth street, North.

No. 12834. Repairs to the bulkhead between West Eleventh and Bank streets.

No. 12777. Placing of desk, foot of Christopher street, North river.

The Engineer-in-Chief returned Secretary's Orders Nos. 12232, 12557, 12598, 12660, 12687 and 12825

The Secretary reported that the pay-rolls for the week ending May 5, 1893, amounting to \$5,701 25, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Iron Steamboat Company, lessee, and Charles Du Bois, Contractor, were called to appear before the Board Thursday, May 18, 1893, and show cause why a penalty should not be imposed for allowing timber to go adrift from the work of repairing Pier, new 1, North river.

On motion, the Engineer-in-Chief was directed to take the necessary steps to provide access to the roofs of the sheds on Piers, old 45 and new 36, East river, in order that they may be open to the public in accordance with the provisions of law.

On motion, the following resolutions were unanimously adopted.

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed to build with the aid of the Department two new pile-drivers, in general size, dimensions and style similar to pile-driver No. 9, now owned by the Department, said pile-drivers to be used in constructing the bulkhead or pier wall, under the plans adopted for the improvement of the water-front, and that all the material for the said pile-drivers, their engines, boilers, hammers and their appurtenances not now contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer



otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882.

Resolved, That hereafter the meetings for the opening of all estimates for work advertised to be done by contract be held Tuesdays, at eleven o'clock A. M.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the New York City Civil Service Boards :

1st. Reporting that on the 6th instant Edwin A. Gregory, Jr., passed the prescribed examination for promotion to the third grade of Clerkship.

On motion, the following preambles and resolution were adopted :

Whereas, On the 29th day of April, 1893, the compensation of Edwin A. Gregory, Jr., assigned to perform temporarily the duties of Treasurer's Clerk, was fixed at the rate of one hundred and fifty dollars per month, to take effect when he is certified to by the Civil Service Boards as eligible for such promotion ; and

Whereas, The Civil Service Boards certified to this Department, under date of May 9, 1893 that he passed the prescribed examination for promotion to the third grade of Clerkship on the 6th instant, therefore be it

Resolved, That the compensation of Edwin A. Gregory, Jr., Clerk, be and hereby is fixed at the rate of eighteen hundred dollars per annum, to take effect May 6, 1893.

2d. Reporting that John M. Phelan is eligible for promotion to the position of Chief Clerk.

On motion, the following resolution was adopted :

Resolved, That John M. Phelan, who has been certified to by the Civil Service Boards as having passed the prescribed examination for promotion from the position of Treasurer's Clerk to that of Chief Clerk in the Department of Docks, be and hereby is appointed, on probation, Chief Clerk in the service of this Department, with compensation at the rate of two thousand seven hundred dollars per annum, to take effect May 11, 1893.

3d. Reporting that Francis O'Neill, Rodman, is eligible for promotion to the position of Leveler.

On motion, the following resolution was adopted :

Resolved, That Francis O'Neill, who has been certified to by the Civil Service Boards as eligible for such position, be and hereby is appointed, on probation, a Leveler in the service of this Department, with compensation at the rate of seventy-five dollars per month, to take effect June 1, 1893.

On motion, the Secretary was directed to request the Civil Service Boards to examine William H. Cherry, Rodman, for promotion to the position of Leveler.

Martin McLean, Laborer, was promoted to Dock Bailier.



The following persons were appointed :

*Laborers.*

Charles Doefler.	Joseph Doyle.	John O'Neill.
James Carberry.	Joseph Porter.	John Abrams.
Michael Shea.	Patrick T. Delaney.	Christian Kaefer.
Patrick O'Connor.	Charles Curran.	Thomas Hickey.
Charles McGinnis.	John McGlynn.	James Knox.
Patrick McGrath.	John Murphy.	Patrick J. Sullivan.
Owen Owens.		

*Dock Builders.*

William Warden.	William Boles.	George Odell.
James Martin.	Michael Early.	Martin McLean.
William P. Dunn.	Patrick Kinally.	

On motion, the Board adjourned until one o'clock P. M. and then opened estimates for dredging at Pier, new 15, on the North river, under Contract No. 443, and for preparing for and laying pavement on the bulkheads, etc., from West One Hundred and Thirty-first to West One Hundred and Thirty-third street, on the North river, under Contract No. 444. A representative of the Comptroller being present.

Two estimates were received under Contract No. 443, as follows :

Morris & Cummings Dredging Company, with security deposit, \$230 . . .	\$0 48	per cubic yard.
W. H. Beard Dredging Company, " 230 . . .	\$2 ½	"

Three estimates were received under Contract No. 444, as follows :

F. Tholeman, Jr., with security deposit, \$105 . . . . .	\$5,450 00
Thomas Smith, " 105 . . . . .	5,300 00
Joseph Moore, " 105 . . . . .	4,500 00

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said builders and accompanying their estimates, whereupon the following resolutions were adopted :

Resolved, That the contract opened this day for dredging at Pier, new 15, on the North river, be and hereby is awarded to the Morris & Cummings Dredging Company, it being the lowest bidder, on the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for preparing for and laying pavement on the bulkheads, etc., from West One Hundred and Thirty-first to West One Hundred and Thirty-third street, on the North river, be and hereby is awarded to Joseph Moore, he being the lowest bidder, on the approval of the sureties by the Comptroller.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, May 18, 1893, at 11 o'clock A. M.

Present—President Cram

" Commissioner Phelan.

" " White.

The minutes of the meeting held the 11th instant were read and approved.

A representative of the Iron Steamboat Company (lessee), appeared in answer to the order of the 11th instant directing said company to show cause why a penalty should not be imposed for allowing timber to go adrift from the work of repairing Pier, new 1, North river, in violation of the rules and regulations of the Department.

On motion, the matter was tabled for one week and the Secretary directed to notify Charles Du Bois, contractor, to appear before the Board, Thursday, May 25, 1893, at 11 o'clock A.M.

The following communications were tabled for one week :

From the Old Colony Steamboat Company Submitting blank form of agreement for the sale to the City of the one hundred and seventy-eight feet of bulkhead between Piers, old 28 and 29, North river.

From the Engineer-in-Chief—Submitting maps and plans for the improvement of the waterfront between the northerly side of Pier, new 46, North river, and the southerly side of West Twenty-third street and for the improvement of the waterfront between Seventy-second and One Hundredth streets, North river.

From the Treasurer—Recommending the revocation of the permit granted Charles L. Whitman, December 13, 1892, to erect coal-pockets on the bulkhead between Piers, new 59 and 60, North river.

The matter of the construction of Pier, new 19, North river, and the building of a bulkhead-wall from Warren street south, was tabled for two weeks.

The communication from the Engineer-in-Chief, reporting repairs required to Pier 57, East river, was tabled and the Treasurer requested to enter into negotiations with the owners of the northerly half of said pier for its purchase.

The communication from the Commissioner of Street Improvements Twenty-third and Twenty-fourth Wards, submitting a map showing the proposed change of the location and grade of Cammann street and suggesting that a representative be present at the public hearing May 22, 1893, was referred to the Treasurer

The communication from the Knickerbocker Ice Company requesting a temporary berth at the Pier foot of East Twenty-eighth street, pending the building of a sewer in East Thirty-third street, is referred to the President.

The communication from George Carlton Constock, attorney, offering to sell the Department quantity of granite, was referred to Commissioner White with power.

The following communication was referred to the Dock Master :

John Louis B. Kendt Requesting permission to load earth at the Pier foot of West Fifty-sixth

The following permits were granted to continue only during the pleasure of the Board :

Benjamin J. Hall Hoisting engine on Pier 19, East river.

Dearborn & Co. Tally house and tool box on Pier 13, East river.

Wheeler & Douglas Tally house and tool-box on Pier 11, East river.

Moses Koenig Swimming bath at the foot of East Fifty sixth street, compensation to be fixed by the Treasurer.

Overbaugh & Camp—Coal-shed on Morris Dock, Harlem river, to be erected under the supervision of the Engineer-in-Chief.

American Yacht Club Boat at the foot of West One Hundred and Fifty-third street, compensation to be fixed by the Treasurer.

American Steamboat Company To land at the Battery wharf, compensation to be fixed by Commissioners Phelan and White.

W. C. Dexter Swimming bath at the Pier foot of West Forty-eighth street, compensation to be paid to the Dock Master of the district at the rate of \$4 per day, Sundays included.

The following permits were granted on the usual terms :

Broken Ferry Company To repair the water supply-pipe in front of the Christopher Street Pier.

J. L. Fagan To lay a water-pipe to the proposed Pier, new 22, North river.

The report of the Engineer-in-Chief on Secretary's Order No. 12749, submitting plans, specifications and form of contract for the construction of a cribwork, together with his report of February 2, 1893, for the construction of a rip-rap embankment at the westerly end of Riker's Island were placed on file, said plans, specifications and form of contract approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for bidders.

The following communications were received, read and,

in motion, ordered to be placed on file :

From the Finance Department :

1. Approving sutelies on Contracts Nos. 441, 443 and 444.

2. Requesting the dates of the unanimous resolutions covering the work for which broken was paid a-ol under Treasurer's Order No. 16443.

From the Department of Public Works :

1st. Stating that the demands of said Department require additional storage room.

On motion, the following resolution was unanimously adopted . . .

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the extension of the Pier at the foot of East Twenty fourth street to the pier-head line of 1890, within the line for the said pier, as determined by the Department of Docks on the 17th December, 1888, and approved by the Commissioners of the Sinking Fund on the 19th December, 1888 ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882 , and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all materials, tools and dredging necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

2d. Respecting the location of a bath at the foot of West Twentieth street.

On motion, the Engineer-in-Chief was directed to make arrangements for the reception of a public bath on the south side of the Pier foot of West Twentieth street, adjoining the bulkhead.

From Michael Mitchell, lessee—Requesting permission to place a sign on the coal-bins located on the Pier foot of West Thirty-fifth street. Application denied.

From the Al Foster Steamboat Company—Requesting permission to place a coal bin on the Pier foot of West Forty eighth street. Application denied.

From Gibson & Stewart—Requesting permission to erect coal-pockets on the bulkhead foot of West Ninety-sixth street. Application denied.

From the Baltimore and Ohio Railroad Company—Accepting the terms and conditions of the preamble and resolutions adopted on the 11th instant.

From Dock Master Martin—Reporting the removal of the boat-house of the Manhattan Athletic Club, from One Hundred and Fifty-seventh street, Harlem river.

From Dock Master Monaghan—Reporting repairs required to the Pier at East Third street. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Osborne .

1st. Reporting repairs required to the Pier at West Thirty-fourth street. The Engineer-in-Chief directed to repair if necessary.

2d. Reporting repairs required to the Pier at West Thirty-eighth street. Lessee directed to repair.

From Dock Master Kenny :

1st. Reporting repairs required to the approach to the Pier foot of West Twentieth street. The Engineer-in-Chief directed to repair if necessary.

2d. Suggesting that a sign be placed on the outer end of the Pier foot of West Twentieth street, prohibiting all vessels except passenger boats from landing. The Engineer-in-Chief directed to erect said sign.

3d. Suggesting the transfer of the gangways to the ice bridge of the Glasco Ice Company on the wharf between Fourteenth and Fifteenth streets, North river. Recommendation adopted.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending May 17, 1893, amounting to \$81,179.22, which was received and ordered to be spread in full on the books as follows :

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
N. Y. C. & H. R. R. R. Co.....	1 qrs. rent E. ½ Pier 4, E. R.....	\$1,100 00		
" .....	" bhd. pfm. bet. Piers 4 and 5, E. R.....	275 00		
" .....	" bhd. bet. Piers 5 and 6, E. R.....	275 00		
" .....	" Pier 5, E. R.....	4,125 00		
" .....	" Pier 6, E. R.....	2,200 00		
" .....	" l. u. w. for pfm. bet. Piers, old 25 and 27, N. R.....	787 50		
" .....	" l. u. w. for pfm bet. Piers, old 27 and 28, N. R.....	537 38		
" .....	" Pier, new 63, N. R., and bhd. from north side of 30th st to north side of 33d st .....	3,750 00		
" .....	" Pier, new 61, N. R.....	5,000 00		
" .....	" Pier, new 62, N. R.....	5,000 00		
" .....	" l. u. w. at 59th st., N. R...	700 00		
" .....	" S. ½ bhd. foot of 60th st., N. R.....	15 00		
" .....	" l. u. w. bet. 60th and 65th sts., N. R. ....	1,500 00		
" .....	" l. u. w. bet. 65th and 72d sts., N. R .....	5,250 00		
" .....	" bhd. and float No. , Pier, new 63, N. R.....	250 00		
" .....	" l. u. w. covered by extension to Piers, old 25 and 27, N. R .....	1,000 00		
o Iron Steamboat Co.....	" Pier, new 1, N. R.....	8,775 00		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D Dr IT
1893.					
May 11	L. I. Fertilizing Co.....	1 qrs. rent bhd. and dump at 39th st., E. R.....	\$500 00		18
" 11	McDermott & Co.....	" Pier foot 129th st., N. R..	250 00		
" 11	R. P. & J. H. Staats.....	Sale of Map, shed on Pier, new 36, N. R	3 00		
				\$41,292 88	M
" 13	Citizen's Steamboat Co.....	1 qrs. rent Pier, new 46, N. R.....	\$8,379 35		
" 15	Nassau Ferry Co.....	" l. u. w. bhd., etc., at and south of Houston st., E. R.....	625 00		
" 15	" .....	" l. u. w. for pier one hun- dred and thirty feet south of Houston st., E. R....	75 00		
" 15	National Transit Co.....	" l. u. w. for pfm. No. , 97th st., N. R.....	25 00		
" 15	Prov. and Ston. S. S. Co.....	" pfm. S. side Pier 29, N. R..	40 00		
" 15	" .....	" Pier 29, N. R., except use of water on north side...	6,875 00		
" 15	Schmitt & Koehne .....	1 yrs. rent bhd. bet. 56th and 57th sts., E. R.....	100 00		
" 16	John R. McPherson.....	1 qrs. rent l. u. w. pfm. S. Pier at 40th st., N. R.....	57 75		
" 16	Farmers' Feed Co.....	" filled-in land N. 62d st., E. R.....	25 00		
" 16	Yellow Pine Co.....	" timber basin S. 126th st., H. R.....	37 50		
" 16	N. Y. and Texas S. S. Co.....	" W. ½ Pier 21, E. R.....	1,650 00		
" 16	" .....	" E. ½ Pier 20, E. R.....	1,925 00		
" 16	New Haven Steamboat Co....	" W. ¼ Pier 26, and bhd. adj., E. R.....	750 00		
" 16	" .....	" Pier 25, and bhd. adj., E. R.	2,250 00		
" 16	Popham & Co.....	" bhd. at 36th st., E. R.....	65 00		
" 16	Bernheimer & Schmid.....	" l. u. w. pfm. N. 108th st., N. R.....	150 37		
" 16	George A. Woods.....	Wharfage, District No. 2, N. R .....	217 95		
" 16	Edward Abeel.....	" 4, " .....	125 84		
" 16	B. F. Kenney .....	" 6, " .....	251 54		
" 16	William B. Osborne.....	" 8, " .....	56 47		
" 16	James J. Fleming.....	" 10, " .....	663 73		
" 16	Thomas P. Walsh.....	" 12, " .....	84 76		
" 16	Henry A. Palmstine.....	" 1, E. R.....	73 82		
" 16	Charles S. Coye.....	" 3, " .....	488 47		
" 16	James A. Monaghan.....	" 5, " .....	181 57		
" 16	Maurice Stack.....	" 7, " .....	187 15		



FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
Joseph F. Meehan .....	Wharfage, District No. 9, E. R.....	\$188 00		
James W. Carson .....	" 11, " .....	158 89		
John J. Martin.....	" 13, " .....	63 70		
			\$25,771 86	May 16
International Navigation Co..	1 qrs. rent Pier, new 43, N. R.....	\$6,000 00		
Hartford & N. Y. Trans. Co...	" E. ½ Pier 24 and bhd., E. R.	1,625 00		
Hoboken Ferry Co.....	" for widening ferry slip foot of Barclay st., N. R.....	1,000 00		
Hoboken Land and Imp. Co..	" l. u. w. for ferry structure south of Barclay st., N. R.	2,151 06		
Hoboken Ferry Co.....	" bell tower outer end Pier, new 15, N. R.....	25 00		
Jefferson Hogan.....	" Pier, new 59, N. R.....	3,125 00		
Murray & Co. . . . .	" bhd. foot 14th st., E. R....	131 25		
Terminal Warehouse Co.....	Repairs to Pier, new 57, N. R.....	57 17		
			14,114 48	May 17
		\$81,179 22	\$81,179 22	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The following requisitions were passed :

Order No.	For What.	Estimated Cost.
	Round iron, etc .....	\$190 00
	Ice.....	7 88
	Galvanized boat nails.....	70 00
	Smoke stack, etc.....	15 00
	Steam pump.....	42 00
	Services of tugs, per hour.....	5 00
	Services of horse, cart and driver, per day.....	3 50
	Ice.....	6 00
	Portland cement.....	2,250 00
	Piles.....	7,300 00
	Augers, etc .....	135 00
	Coal . . . . .	875 00
	Oak piles, per lineal foot.....	25
	Services of tugs, per hour.....	5 00
	Coal.....	350 00

Register No.	For What.	Estimated Cost.
13254.	Pneumatic annunciator, etc.....	54 00
13255.	Water-cooler, etc.....	14 25
13256.	Drawing materials.....	75 20
Requisition No.		
601.	Stationery, etc.....	
604.	Ice, per 100 lbs.....	20

The Treasurer reported that he had received estimates for furnishing the Department with wrought spikes, creosoted yellow pine, piles, screw-bolts, etc., Portland cement and galvanized wrought iron, as follows :

*About 44,000 Pound of Wrought Spikes.*

Peter Timmes' Son.....	\$889 00
Alexander Pollock.....	968 00
John Loyd.....	990 00
Robert Deeley & Co.....	1,123 40

*About 8,691 Feet (B. M.) of Creosoted Yellow Pine.*

Eppinger & Russell.....	\$60 00 per M.
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*About 300 Sound and Straight Pine or Spruce Piles 65 Feet to 70 Feet Long.*

Alfred J. Murray.....	\$14 25 each.
Graves & Steers .....	15 95 "
E. Mors & Co.....	14 85 "
C. N. Kimpland .....	15 40 "

*About 33,275 Pounds of Screw-bolts and 59,782 Pounds of Dock-spikes, etc.*

Peter Timmes' Son.....	\$2,438 85
Robert Deeley & Co.....	3,250 00
John Loyd.....	2,775 00
Alexander Pollock.....	2,498 10
Greenlie, Wyatt & Co.....	2,720 00

*About 3,000 Barrels Quick-setting Portland Cement.*

Baetjer & Meyerstein.....	\$2 19 per barrel.
James Brand.....	2 25 "
Sinclair & Babson .....	2 23 "

*About 6,433 Pounds of Galvanized Wrought Iron.*

H. A. Rogers.....	\$0 5 per pound.
Greenlie, Wyatt & Co.....	7 "



James B. Newhall Company	6 20 per 100 pounds.
Wm Lloyd	430 00 per lot.

The action of the Treasurer in awarding the orders to Peter Timmes' Son, Eppinger & Russell, Albert I. Murray, Bactjer & Meyerstein, and H. A. Rogers, they being the lowest bidders, is approved.

From the Engineer-in-Chief :

1st. Report for the week ending May 13, 1893.

2d. Report for the quarter ending April 30, 1893. Transmit said report to his Honor the Mayor.

3d. Reporting the completion of Contract No. 435.

4th. Reporting repairs required to the Pier and sewer-box foot of East Twenty-sixth street, and to the pavement at One Hundred and Twenty-fifth street, east of First avenue. The Engineer-in-Chief directed to repair.

5th. Reporting repairs required to the bulkhead north of Pier, new 45, North river, and repairs and painting required to the shed on Pier, new 54, North river. Lessees directed to repair.

6th. Reporting repairs required to the bulkhead between Twenty-ninth and Thirtieth streets, East river, and Pier "G," North river. Owners notified to repair.

7th. Submitting plans, specifications and form of contract for paving the new-made land between Franklin and Duane streets, North river. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

8th. Recommending the taking up and relaying of a portion of the pavement in front of the Christopher Street Ferry. Recommendation adopted.

9th. Report on Secretary's Order No. 12806—That the shed on Pier, new 56, North river, requires neither painting nor repairing.

On motion, the order dated April 20, 1893, directing Simpson, Spence & Young, lessees, to do the work revoked.

10th. Report on Secretary's Order No. 12862—Submitting amended plans, specifications and form of contract for paving between Twenty-fourth and Twenty-fifth streets, North river, so as to conform with the unanimous resolution of the Board of May 11, 1893. Approved, subject to the reports of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12834. Cutting of gangways on the north side of Pier, new 24, North river.

No. 12867. Repaired Pier 48, East river.

No. 12774. Repaired Pier at West One Hundred and Fifty-fifth street.

No. 12775. Repaired Pier at West One Hundred and Fifty-eighth street.

The Engineer in Chief reported that the following work had been superintended under Secretary's Orders :

- No. 11965. Erection of coal pocket at the Pier foot of West Thirty-fifth street.
  - No. 12290. Running of water-pipe under the Pier foot of West Thirty-fifth street.
  - No. 12330. Erection of office and boiler-shed on the Pier foot of West Thirty-fifth street.
  - No. 12820. Repairs to the approach to Pier, old 41, North river.
  - No. 12832. Repairs to ferry-rack at East Ninety-ninth street.
- The Engineer-in Chief returned Secretary's Orders Nos. 11410 and 12619.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending May 12, 1893, amounting to \$12,492 56, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Engineer-in-Chief was directed to build a temporary platform at the Battery wall for use as a landing place for passenger boats.

On motion, the Engineer in Chief was directed to receive filling on the line of Twelfth avenue, where not already filled in.

On motion, the following resolution was adopted.

Resolved, That Van Tassell & Kearney, auctioneers, on behalf of this Board, be and hereby are authorized to offer for sale, at public auction, at Pier "A," Battery place, North river, in the City of New York, Wednesday, June 7, 1893, at 12 o'clock noon, the right to collect and retain all wharfage which may accrue for the use or occupation by vessels of more than five tons burden at the following-named wharf property

For the term of five years from July 1, 1893, with covenant of renewal for five years —

*On the East River.*

Lot 1. Made land and land under water between the northerly line of East Fifty-fourth street and the centre line of block between East Fifty-fourth street and East Fifty-fifth street, easterly of original high-water mark.

Lot 2. Made land and land under water between the centre line of the block between East Fifty-fourth street and East Fifty-fifth street and the southerly line of East Fifty-fifth street, easterly of original high-water mark.

For the term of two years and ten months from July 1, 1893:—

*On the North River.*

Lot 3. Northerly half and end of Pier foot of West One Hundred and Thirty first street.

*On the East River.*

Lot 4. Bulkhead between Pier, old 20, and Pier, old 21, about 136 feet.

Lot 5. Bulkhead at foot of East Twenty-ninth street, about 60 feet.

Platform, southerly of East Thirty-eighth street, about 50 feet.

Lot 7. All the made land and land under water occupied by platforms and structures, south- and easterly of original high water mark, bounded southerly by the southerly line of the new old platform north of Seventy-ninth street, and bounded northerly by the northerly line of said new platform and continuing along the northerly line of rip rap structure to the original water mark.

*On the Harlem River.*

Lot 8. Bulkhead platform at foot of East One Hundred and Fifth street, about 60 feet.

Lot 9. Bulkhead platform at foot of East One Hundred and Sixth street, about 100 feet.

Lot 10. Bulkhead, between the northerly side of East One Hundred and Seventh street and southerly side of East One Hundred and Eighth street, about 200 feet.

On motion, the following preambles and resolution were adopted :

Whereas, The Board of United States Inspectors of Hulls and Machinery of Steam Vessels ordered the Board of Docks to make repairs, the estimated cost of which is two thousand dollars, on the tug-boat "Manhattan" ; and

Whereas, To prepare plans and specifications and readvertise same will require a delay of two weeks ; and

Whereas, The services of the tug "Manhattan" are urgently needed by the Department ,  
Resolved, That the Department of Docks respectfully request the Board of Aldermen to pass a resolution authorizing this Department to contract, without public letting, to do the work as here described, at an estimated cost of two thousand dollars.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Maurice Stack, Dock Master, having been duly notified to appear before the Board in answer to the charge of allowing sand to be stored on the Piers foot of East Thirty-third and Thirty-fifth streets, was present and made an explanation in answer to said charge.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Engineer in-Chief :

1st. Reporting that he had suspended Laborer, Acting Watchman, Michael Feeney, and recommending that he be discharged.

On motion, said Feeney was directed not to be assigned to duty as Acting Watchman for five

2d. Reporting the suspension of Laborer, Acting Watchman, James Doyle No. 2, and recommending that he be discharged.

On motion, said Doyle was discharged.

3d. Reporting that Arthur O'Brien, Dock Builder, has been laid off and is unassigned to duty for having been absent from all duty three successive days without being excused.

On motion, said O'Brien was discharged.

On motion, the Civil Service Boards were requested to transmit a list of persons eligible for appointment as Inspectors of Pier Building.

On motion, Edward O'Brien was directed to be restored to duty and reappointed Laborer.

On motion, John Rode was promoted from Laborer to Dock Builder.

The following persons were appointed :

*Laborers.*

Daniel McGuire.

Patrick J. Fullam.

Edward O'Brien.

*Dock Builder.*

John Wilson.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

Treasurer N. Lovell, agent of the Old Colony Steamboat Company, appeared, and accepted on behalf of said company the offer of the Board of December 24, 1891, for the purchase of 178 feet of land between Piers, old 28 and 29, North river, for the sum of \$500 per front foot, and agreed that an acceptance of said offer duly executed by his company to the Board at its next meeting.

On motion, the following resolution was unanimously adopted.

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of sufficient concrete blocks for the bulkhead or river wall between the northerly side of Pier, old 28, North river, and the northerly side of Pier, old 29, North river, a distance of about two hundred and fifty-three feet, and also that he be and hereby is directed to proceed with the construction of about two hundred and fifty-three feet of said bulkhead or river wall, between the northerly side of Pier, old 28, North river, and the northerly side of Pier, old 29, North river, and that all work hereby ordered, be performed otherwise than by contract, as provided for by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department day work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the material and dredging necessary for the above-mentioned work of the pier heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

In obedience to the order of the 19th instant, Charles DuBous, contractor, appeared in reference to his work of repairing Pier, new 1, North river. On motion, a penalty of \$100 was imposed for violation of the rules and regulations of the Department.

The communication from the Ocean Steamship Company of Savannah, lessee, respecting the log clause contained in the renewal of its lease of Pier, new 35, North river, was tabled for consideration.



James Heffernan Movable derrick on Pier, new 29, East river.

Knickerbocker Ice Company To remove scales and ice bridge from the foot of East Third street to the foot of East Twenty-eighth street.

John Biggart and others Bathhouse and floats on the Harlem river south of Morris Dock.

Gibson & Stewart Coal-pockets on the bulkhead between Ninety-fifth and Ninety-six streets, North river, to be erected under the supervision of the Engineer-in-Chief.

Stanford Parry, Herron & Co — To store freight on the new made land between Pier new 57 and 59, North river Compensation to be fixed by the Treasurer

New York Harbor Towboat Company — To land at the Battery wharf. Compensation to be fixed by Commissioners Phelps and White

The following permits were granted on the usual terms :

Consolidated Gas Company — To lay a service-pipe to Pier, new 22, North river.

Brooklyn and New York Ferry Company To repair ferry premises foot of Roosevelt, Grand and Twenty-third streets, East river, during the ensuing three months

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation.

1st. Returning duplicate copies of the proposed lease with Hencken & Co for the north half of the Pier foot of East Ninety-fourth street with his approval as to form indorsed thereon. The officers of the Board authorized to execute said lease.

2d. Inclosing a copy of judgment entered in the suit of The Mayor, etc., vs. The Knickerbocker Ice Company, respecting the premises on the northerly side of East Ninety-first street.

On motion, the following resolutions were unanimously adopted :

Resolved, That in accordance with the provisions of a certain judgment dated May 22, 1891, this Board hereby gives notice to the Knickerbocker Ice Company, William N. Philbrick and George N. Manchester, that it is the intention of said Department to immediately take possession of the premises between Ninety-first and Ninety-second streets, East river, for the purpose of executing the new plan for the improvement of the water front at that place.

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a pier at the foot of Ninety-first street, East river, in accordance with the "New Plan" for that section of the water-front as determined by the Department of Docks on the 13th day of October, 1887, and approved by the Commissioners of the Sinking Fund on the 19th day of December, 1887; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidated Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and dredging necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

Resolved. That the Engineer-in-Chief be and hereby is directed to proceed with the construction of sufficient concrete blocks for the bulkhead or river-wall between the southerly side of East Ninety-first street and the northerly side of East Ninety-second street, a distance of about three hundred and seventy-six feet ; and also that he be and hereby is directed to proceed with the construction of about three hundred and seventy-six feet of the said bulkhead or river-wall between the southerly side of East Ninety-first street and the northerly side of East Ninety-second street ; and that all the work hereby ordered be performed otherwise than by contract, as provided for by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all the material and dredging necessary for the above-mentioned work of the wall not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

The following communications were received and ordered to be placed on file :

From the Department of Street Cleaning—Requesting permission to dump street cleaning material behind the wall foot of Canal street, North river.

From George F. Doak—Requesting permission to place a derrick temporarily on the bulkhead at Seventy-ninth street, North river, to unload a boat-load of gravel for the Department of Public Parks. Application denied.

From George B. Robbins & Co.—Complaining of the dangerous condition of the bulkhead foot of East Forty-eighth street. Referred to the Engineer-in-Chief to examine and report.

From P. Sanford Ross—Requesting an extension of time to May 18, 1893, for the completion of Contract No. 427.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of all the work to be done under Contract No. 427. P. Sanford Ross, contractor, for preparing, for and building a crib-bulkhead, with appurtenances, from West One Hundred and Twenty-ninth to West One Hundred and Thirtieth streets, and for dredging thereat, be and hereby is extended to the 18th day of May, 1893.

From John G. Lyon, attorney for Charles L. Whitman—Accepting the terms of the permit granted December 13, 1892, for the erection of a coal-pocket on the bulkhead between Piers, new 59 and 60, North river, and agreeing to pay the sum of \$3 per day, Sundays included, payable at the end of each week to the Dock Master.

From Dock Master Woods :

- 1st. Reporting repairs required to Pier, old 3, North river.
- 2d. Reporting a small fire on Pier, new 15, North river.

From Dock Master Palmstine—Reporting repairs required to Pier, new 6, and the outer and southerly end and side of Pier, old 12, East river. The Engineer-in-Chief directed to repair if neces-

From the Treasurer—Recommending that the International Navigation Company, lessee, required to pay \$700 per month to the Treasurer, commencing March 30, 1893, for the exclusive use of the Washington Pier ; said compensation to continue until the pier is turned over to said company in accordance with the terms of its lease.

From Commissioners White and Phelan—Recommending that the compensation to be charged the Al Foster Steamboat Company for permission to land the steamboat “ Al Foster ” at the Battery Wharf be fixed at the rate of \$5 per day, Sundays included, payable at the end of each week to the Dock Master of the district.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending May 24, 1893, amounting to \$16,507.98, which was received and ordered to be spread on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE.
1893.					1893
May 17	Brooklyn & N. Y. Ferry Co...	1 qrs. rent, bhd. foot 22d st., E. R.....	\$37 50		
" 17	Suburban Rapid Transit Co...	" l. u. w. bridge Pier at 129th st. and 2d ave.....	125 00		
" 17	Manhattan Railway Co.....	" l. u. w. N. of W. 159th st., H. R.....	1,250 00		
" 18	Adam Neidlinger.....	" bhd. at 63d st., E. R.....	120 00		
" 18	" .....	" bhd., etc., at 64th st., E. R.	175 00		
" 18	N. Y. & Northern Railway Co.	1 mos. rent, Pier 40, E. R.....	1,041 66		
" 19	New York Central Lighterage Co .....	Repairs to Pile-driver No. 3.....	42 96		
				\$2,792 12	May
" 20	Greenpoint Ferry Co.....	Repairs to Pier foot 25th st., E. R....	\$37 72		
" 20	Knickerbocker Ice Co.....	1 qrs. rent, l. u. w. extension to Pier at 43d st., N. R.....	25 00		
" 20	" .....	" bhd. at 93d st., E. R.....	330 00		
" 20	" .....	" berth S. side Pier at 33d st., E. R.....	375 00		
" 20	" .....	" bhd. at Bank st., N. R....	212 50		
" 20	Ehrenreich Bros.....	" l. u. w. pfm. S. 63d st , E. R.	25 00		
" 20	" .....	" filled in land bet. 62d and 63d sts., E. R.....	25 00		
" 20	William Cruikshank, agent...	" l. u. w. for extension to Pier 9, N. R.....	200 00		
" 20	Clark & Seaman. ....	" l. u. w. for pfm. bet. Piers 8 and 9, N. R.....	375 00		
" 22	National Steamship Co.....	" Pier, new 39, N. R.....	8,350 00		
" 22	Joseph Cornell.....	" S. side Pier at W. 11th st. and bhd., N. R.....	475 00		
" 22	" .....	" Pier foot Jane st., N. R....	869 80		



FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
William M. Montgomery & Co.	1½ mos. rent, Pier at 119th st., E. R. .	\$75 00		
New York Yacht Club.....	Repairs to Pier at E. 26th st., E. R. .	25 65		
George A. Woods.....	Wharfage, District No. 2, N. R. ....	101 68		
Edward Abeel.....	" 4, " ....	521 90		
B. F. Kenney.....	" 6, " ....	198 34		
William B. Osborne.....	" 8, " ....	175 39		
James J. Fleming.....	" 10, " ....	181 62		
Thomas P. Walsh.....	" 12, " ....	53 94		
Henry A. Palmstine. ....	" 1, E. R. ....	69 52		
Charles S. Coye.....	" 3, " ....	299 60		
James A. Monaghan.....	" 5, " ....	244 77		
Maurice Stack.....	" 7, " ....	256 93		
Joseph F. Meehan.....	" 9, " ....	113 26		
James W. Carson.....	" 11, " ....	50 00		
John J. Martin.....	" 13, " ....	48 24		
			\$13,715 86	May 23
		\$16,507 98	\$16,507 98	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of thirty-two bills or claims, amounting to \$22,50, which were approved and audited and ordered to be spread in full on the minutes follows :

General Repairs Account.

No.	Name.	Amount.	Total.
34.	P. Sanford Ross, Estimate No. 4, and final Contract No. 435.....	\$5,663 62	
35.	Charles Du Bois, Estimate No. 1, Contract No. 438.....	4,546 80	
			\$10,210 42

Construction Account.

6.	James Brand, cement.....	\$2,245 44
7.	Cavanagh & Thompson, yarns, etc.....	57 06
8.	Thomas Kelly, sprinkling.....	196 00
9.	Michael Moran, towing.....	316 25
10.	Sperry & Popham Coal Company, coal.....	262 50
11.	Wyckoff, Seamans & Benedict, typewriter, etc.....	112 50
12.	William B. Ferguson & Son, wedges.....	26 00
13.	The Foster Manufacturing Company, paint, etc.....	110 79
14.	F. W. Devoe and C. T. Raypolds Company, varnish, etc.....	45 80

Audit No.	Name.	Amount.	Total
13265.	Morris & Cumings Dredging Company, dredging.....	\$3,200 20	
13266.	Martin B. Brown, printing .....	827 06	
		<hr/>	\$7,399
	<i>General Repairs Account.</i>		
13267.	Peter Murray, services horse, cart and driver.....	\$113 75	
13268.	Bell Bros., spruce.....	840 02	
13269.	Isaac Hall's Son, chain.....	95 80	
13270.	Morris & Cumings Dredging Company, dredging.....	214 80	
		<hr/>	1,264
	<i>Annual Expense Account.</i>		
13271.	Martin B. Brown, stationery, etc.....	\$1,941 98	
13272.	Consolidated Gas Company, gas.....	226 37	
13273.	Clark & Wilkins, wood .....	15 00	
13274.	Commonwealth Ice Company, ice.....	86 00	
		<hr/>	2,269
	<i>Construction Account.</i>		
13275.	Morris & Cumings Dredging Company.....	\$5,565 00	
13276.	F. W. Devoe and C. T. Raynolds Company, varnish.....	16 00	
13277.	Pennsylvania and Delaware Oil Company, oil.....	86 86	
13278.	The Ingersoll-Sergeant Drill Company, repairs to drill.....	96 96	
13279.	The American Forcite Powder Manufacturing Company, powder..	340 00	
13280.	Henry R. Worthington, pump.....	65 00	
13281.	Baetjer & Meyerstein, cement.....	2,104 07	
13282.	Louis Du Bois, hooks, etc .....	124 55	
13283.	The East River Mill and Lumber Company, spruce..	240 00	
13284.	Travers Bros. Company, rope .....	403 32	
		<hr/>	9,041
	<i>General Repairs Accounts.</i>		
13285.	Peter Murray, services horse, cart and driver.....		35
			<hr/>
			\$30,220

Respectfully submitted,

ANDREW J. WHITE, { Auditing Committee.  
JAMES J. PHELAN, }

The action of the President in transmitting the same, with requisitions for the amount to Finance Department for payment, approved.

The Treasurer reported that he had received estimates for furnishing the Department with white oak piles, yellow, white, Norway pine or cypress piles and coal.

*About 60 White Oak Piles, to Average 55 Feet.*

Graves & Steers.....	\$0 23 per linear	
Alfred J. Murray.....	25	"
W. H. Beard.....	24 1/2	"
Arch.....	25	"

About 400 Pine or Cypress Piles, 80 to 85 feet.

	14 INCHES DIAMETER.	17 INCHES DIAMETER.
C. N. Kimpland.....	\$15 85	\$18 80
Alfred J. Murray.....	16 00	17 00
W H Beard.....	16 10	19 10
Graves & Steers.....	16 25	19 00
E Mors & Co.....	16 00	20 00

About 225 Gross Tons Egg Coal.

Stokes & Thedford.....	\$3 85 per gross ton.
David Duncan & Son.....	3 88 "
William Horre & Co.....	4 00 "

The action of the Treasurer in awarding the order to Graves & Steers, C. N. Kimpland and Stokes & Thedford, they being the lowest bidders, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13257.	Sand.....per cubic yard	\$0 75
13258.	Piles.....each	6 00
13259.	Spruce and white pine.....	225 00
13260.	White oak .....per M	65 00
13261.	Yellow pine.....per M	50 00
13262.	Rip-rap.....	420 00
13263.	Piles.....	4,500 00
13264.	Pike poles.....	48 00
13265.	Canvas duck.....	72 00
13266.	Stencil paper, etc.....	33 00
13267.	Pipe fittings.....	120 00
13268.	Canceled.	
13269.	Dredging.....	2,500 00
13270.	".....	5,000 00
13271.	".....	1,000 00
13272.	Gelatine forcite powder, etc.....	157 00
13273.	Cobble.....per cubic yard	65
13274.	Kerosene oil.....	22 00
13275.	Dead oil, etc.....	73 75
13276.	Ice.....per 100 pounds	30
13277.	Tin tubes.....	24 50
13278.	Piles.....each	15 00

Register No.	For What.	Estimated Cost.
13279.	Services of horse, cart and driver.....per day	\$3 50
13280.	Ice.....per 100 pounds	15
13281.	Leather belt.....	44 00
13282.	Services of horse, cart and driver.....per day	3 50
13283.	Sprinkling.....	196 00
13284.	Yellow pine.....	270 00
13285.	White oak piles.....	540 00
Requisition No.		
606.	Desk, etc.....	28 75

From the Engineer-in-Chief :

- 1st. Report for the year ending April 30, 1893. Which was ordered printed and bound.
- 2d. Reporting repairs required to the Piers foot of Forty-seventh street and Fifty-fifth streets, North river. The Engineer-in-Chief directed to repair.
- 3d. Recommending that arrangements be made for about 3,000 loads of filling in the rear of the bulkhead-wall foot of East Twenty-fifth street. Referred to the Treasurer, with power.
- 4th. Reporting a quantity of street cleaning material between Fifty-fifth and Fifty-sixth streets, North river. Department of Street Cleaning notified to remove.
- 5th. Recommending that the Department of Public Works be requested to place public hydrants along the bulkhead between Seventy-fifth and Seventy-ninth streets, North river. Recommendation adopted.
- 6th. Reporting that there is a berth at the southerly side of the crib-bulkhead between West Ninety-seventh and Ninety-eighth streets suitable for wharfage. Dock Master directed to collect wharfage thereat.
- 7th. Additional report on Secretary's Order No. 11632, submitting plans, specifications and form of contract for an iron awning shed on the Pier foot of East Thirty-third street. Approved, subject to the approval of the Counsel to the Corporation as to form and the Secretary directed to advertise for estimates.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

- No. 12641. Inclosing a space between Piers, new 58 and 59, North river, for the storage of trucks.
- No. 12683. Prepared boards for advertising the rule, "forbidding the storage of trucks on the new-made land west of West street."
- No. 12776. Repaired Pier at West One Hundred and Thirty-fourth street.
- No. 12803. Placed battens on the Piers foot of Thirty-fourth, Thirty-eighth, Forty-eighth and 4th streets, North river, for the landing of troops taking part in the land parade April 28, 1893.

No. 12831. Placed signs forbidding vessels to make fast to the bulkhead between Twenty-sixth and Twenty-eighth streets, East river.

No. 12848. Repaired Pier 61, East river.

No. 12851. Repaired bulkhead between Eightieth and Eighty-first streets, North river.

No. 12858. Repaired the Pier at West One Hundred and Fifty-second street.

No. 12863. Repaired sub-structure of Pier, new 56, North river.

No. 12880. Repaired approach to Pier at West Twentieth street.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 11776. Repairs to Pier, new 23, North river.

No. 12003. Erection of a shed on Pier, new 67, North river.

No. 12067. Erection of a shed on Pier, new 59, North river.

No. 12205. Erection of shed on Pier, new 58, North river.

No. 12385. Erection of a shed over the extension of Pier, new 24, North river.

No. 12470. Repairs to the Pier at West Thirty-seventh street, North river.

No. 12487. Grading of approach to Pier at West Thirty-seventh street.

No. 12635. Repairs to ferry-house at East Ninety-second street.

No. 12691. Removal of granite blocks on new-made land between Piers, new 14 and 15, North river.

No. 12694. Placing of fender-piles at the Pier foot of East One Hundred and Twenty-sixth street.

No. 12695. Dredging at the dumping-board foot of East Thirty-eighth street.

No. 12696. Dredging at the dumping-board foot of West Twelfth street.

No. 12704. Repairs to Pier, new 56, North river.

No. 12737. Laying of pipe from corner of Battery place and West street to Twenty-eighth Precinct Station, Pier "A," North river.

No. 12762. Placing of 1,000 loads of earth-filling in the rear of the bulkhead-wall at East Twenty-fifth street.

No. 12843. Running of a drain-pipe from the northwest corner of Montgomery and South streets, through the bulkhead thereat to the East river.

No. 12850. Removal of small house from Pier at East Twenty-eighth street.

The Engineer-in-Chief returned Secretary's Orders Nos. 12788 and 12813.

On motion, the permit granted July 14, 1892, to Brown & Fleming for a dumping-board between Fifty-ninth and Sixtieth streets, East river, was revoked, to take effect immediately, and the parties notified to appear before the Board Thursday, June 1, 1893, and show cause why a penalty should not be imposed for dumping material overboard between Fifty-ninth and Sixtieth streets, East river, in violation of the rules and regulations of the Department.

On motion, the Secretary was directed to notify the Fulton Market Fishmongers' Association that if the work of erecting a platform between Piers 22 and 23, East river, out to the bulkhead line of 1871 and the removal of their market buildings to said platform is not commenced at once, said permit will be revoked.

On motion, the Commissioner of Public Works was requested to have Twelfth avenue, between Fifty-fourth and Fifty-eighth streets, and Fifty-seventh street, between Eleventh and Twelfth avenues, regulated, graded and paved.

On motion, the Engineer-in-Chief was directed to paint numbers on the outer end of piers and bulkheads.

On motion, the Engineer-in-Chief was directed to remove the man-of-war landing from West Eighty-second street to the boat landing at the Battery, near Pier "A."

On motion, the following resolutions were unanimously adopted :

Resolved, That, pursuant to the provisions of sections 712 of chapter 410 of the Laws of 1882, as amended by chapter 397 of the Laws of 1893, the map or plan, prepared and submitted by the Engineer-in-Chief and determined by the Board of Docks of the City of New York for the improvement of that part of the water-front of said City, beginning on the southerly side of West Seventy-second street and the northerly side of West One Hundredth street, be and is hereby directed to be transmitted to the Commissioners of the Sinking Fund for their adoption.

Resolved, That the Treasurer be and is hereby requested to pay Francis E. Moon, out of Contingent Fund, the sum of eighty-seven dollars and ten cents for services rendered from May 1 to 18, 1893, inclusive.

On motion, the following preamble and resolution were adopted :

Whereas, Application has been made by Joseph Moore for permission to assign all his right, title and interest in Contract No. 444, for preparing for and laying pavement on the bulkheads, etc., from West One Hundred and Thirty-first to West One Hundred and Thirty-third street. to Thomas Smith.

Resolved, That license and consent be and hereby is granted Joseph Moore, contractor, to assign to Thomas Smith all his right, title and interest in and to Contract No. 444 for preparing for and laying pavement on the bulkheads, etc., from West One Hundred and Thirty-first to West One Hundred and Thirty-third street ; provided that the said Joseph Moore and the sureties to said contract shall execute and file an agreement in writing with this Board that their obligations under the provisions thereof shall not in any manner be affected or impaired by reason of such license and consent to the said assignment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read, and

On motion, ordered to be placed on file :

From the New York City Civil Service Boards :

1st. Submitting a list of persons eligible for appointment as Inspector of Pier Building.

On motion, the following resolution was adopted :

Resolved, That George Ryan, who has been certified to by the Civil Service Boards as eligible for such position, be and hereby is appointed on probation as Inspector of Pier Building, with compensation at the rate of fifty cents per hour, to take effect May 25, 1893.

2d. Reporting that Peter C. Spence is eligible for promotion to the position of Transitman.

On motion, the following resolution was adopted :

Resolved, That Peter C. Spence, who has been certified to by the Civil Service Boards as eligible for such position, be and hereby is appointed on probation as Transitman in the service of this Department, with compensation at the rate of one hundred and twenty-five dollars per month, to take effect June 1, 1893.

From the Engineer-in-Chief—Reporting the suspension of Laborer, Acting Watchman, Thomas McDonald for twenty days and recommending that his action be approved.

On motion, said McDonald was directed not to be assigned to duty as Acting Watchman for ten days.

From T. H. Bayles, Laborer, Acting Gateman—Requesting to be placed on the monthly payroll.

On motion, his compensation was fixed at the rate of seventy-five dollars per month, to take effect June 1, 1893.

On motion, the compensation of Nicholas F. Kinnally, Watchman, was fixed at the rate of seventy-five dollars per month, to take effect June 1, 1893.

On motion, the following resolution adopted :

Resolved, That the compensation of James J. White, Hydrographer, be and is hereby fixed at the rate of one hundred and fifteen dollars per month, to take effect June 1, 1893.

Resolved, That Joseph F. Meehan, Dock Master, be and is hereby assigned to take charge of District No. 7, East river, and Maurice Stack, Dock Master, directed to take charge of District No. 9, East river.

On motion, the following persons were appointed :

*Laborers.*

Patrick Magner.

James Cosgrove.

John Keenan.

William Ryno.

Daniel Roach.

John Keefe.

James McCloskey.

P. J. Ryan.

John English.

Chester A. Whitman.

MAY 25, 1893.]

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*Dock Builders.*

Arthur O'Brien.

Michael Rogers.

John Dooley.

John McLain.

*Ship Carpenter.*

William Whikehart.

*Foreman of Laborers.*

James Bagley.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Wednesday, May 31, 1893, at 11 o'clock A. M.

Present—President Cram.

Commissioner White.

Absent—Commissioner Phelan.

The Board met for the purpose of receiving estimates for preparing for and building a new crib-head adjoining the storehouse dock, Blackwell's Island, East river, and for building a boat-landing and for dredging thereat, under Contract No. 442, a representative of the Comptroller being present.

Two estimates were received, as follows :

	CLASS 1.	CLASS 2.	CLASS 3.	TOTAL.
High Hart, with security deposit, \$200.....	\$1 50	\$10,500 00	\$1,350 00	\$13,050 00
Barth S. Cronin, with security deposit, \$200..	1 50	11,000 00	740 00	12,940 00

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the contract opened this day for preparing for and building a new crib-head adjoining the storehouse dock, Blackwell's Island, East river, and for building a boat-landing and for dredging thereat, be and hereby is awarded to Barth S. Cronin, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, June 1, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held May 25, 1893, were read and approved.

The communication from Michael Mitchell, lessee, requesting permission to place lettering on the coal-pocket on Pier, new 65, North river, was tabled for one week.

The communication from the New York Central and Hudson River Railroad Company, in regard to a proposition for the improvement of the water-front, from Barclay street to Park place, North river, at the expense of the private owners, was referred to the President.

The application of the Old Colony Steamboat Company, for a ten years' lease of the bulk-head between Murray and Warren streets, when built, was referred to Commissioners White and Phelan.

The following communications were referred to the Dock Masters to examine and report :

From St. John's Guild—Requesting berths at West Thirty-fourth and Fiftieth streets, North river, and Pike and Third streets, East river.

From the President of the Produce Exchange—Submitting a communication from Captain DuPuy, complaining of the crowded condition of the Canal district.

The following permits were granted, to continue only during the pleasure of the Board :

Thomas O'Donnell —Tally-house on Pier, new 32, East river.

Charles McManus' Sons—Tally-house and dumping-board, foot East Fourteenth street.

Fred. T. Volk—Boat-house foot of West One Hundred and Fifty-eighth street. Compensation to be fixed by the Treasurer.

New York and Long Branch Steamboat Company—To land at the Battery wharf. Compensation to be fixed by Commissioners Phelan and White.

Columbia Steamboat Company—To land at Battery wharf. Compensation to be fixed by Commissioners Phelan and White.

The following permits were granted, to continue only during the pleasure of the Board ; the work to be done under the supervision of the Engineer-in-Chief :

T. & W. Thorn & Co.—To build a pile platform and erect shed thereon at Kingsbridge, Spuyten Duyvil Creek.

H. E. Stevens & Sons—To erect a fence along the southerly side of the approach to the bulkhead south of Forty-eighth street, North river.

North River Steamboat Company—To place a sign on the approach to Pier, new 46, North river.

The following permits were granted ; the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company, lessee—To repair sheathing on Pier, new 68, North river.

Brown & Fleming—To dredge at the dumping-boards at Pier 12, Jackson street, Fortieth street and Sixtieth street, East river.

John H. Starin, lessee—To sheath the sides of Pier, new 58, North river.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz. :

From the Finance Department—Respecting the lease of the ferry franchise foot of Houston street, East river, to the Nassau Ferry Company.

From the Counsel to the Corporation—Approving Contracts Nos. 445 and 447.

From Borden & Lovell, agents Old Colony Steamboat Company—Accepting the terms and conditions of the preambles and resolutions adopted December 24, 1891, for the sale to the City of the one hundred and seventy-eight feet of bulkhead between Piers, old 28 and 29, North river.

From Joseph Moore, contractor, and the sureties on Contract No. 444—Accepting the terms of the preamble and resolution adopted May 25, 1893, assigning said contract to Thomas Smith.

From the White Star Line :

1st. Requesting a lease of Piers, new 48 and 49, North river, when built.

2d. Respecting the lease of Pier, new 38, North river.

On motion, the furnishing of a bond on said lease was waived.

From the Riverside and Fort Lee Ferry Company—Requesting the removal of the street-cleaning dump from the Pier foot of West One Hundred and Twenty-ninth street. The Department of Street Cleaning requested to remove said dump to the Pier foot of West One Hundred and Thirty-fourth street.

From the Ridgewood Ice Company—Requesting permission to use and occupy a berth at the Pier foot of Third street, East river. Application denied.

From B. L. Ackerman, on behalf of the Washington Heights Taxpayers' Association—Suggesting the construction of a new street along Sherman's Creek and the building of a pier thereat. Referred to the Engineer-in-Chief to examine and report June 15, 1893.

From Isidor Grayheard, attorney for George C. Coffin—Offering to sell his client's interest in the bulkhead rights west of Twelfth avenue, between Thirty-third and Thirty-fourth streets, North river, for \$35,000, subject to a lease to S. V. Tripp. The Secretary directed to notify all parties interested to appear before the Board, Thursday, June 8, 1893, at 11 o'clock A. M.

From the Morris & Cumings Dredging Company—Requesting an extension of Contract No. 440.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the work of dredging the slip on the northberly side of Pier 61, East river, under Contract No. 440, be and hereby is extended until June 14, 1893, provided the written consent of the sueties to said contract be filed in this Department.

From Dock Master Fleming—Reporting repairs required to the Pier foot of West Fifty-second street. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Coye—Reporting repairs required to Piers, new 29 and 32, East river. The Engineer-in-Chief directed to repair it necessary.

From Dock Master Osborne—Reporting the sinking of a coal-boat between Piers, new 54 and 55, North river. Notify the Lehigh Coal and Navigation Company to remove.

From Dock Master Kenney—Recommending the revocation of the resolution setting aside the north side, inner end, of the Pier foot of West Thirteenth street, for coal-boats.

From Dock Master Martin—Reporting the building of a boat-house north of One Hundred and Fifty-eighth street, North river, by John Wagner, without a permit. Referred to the Engineer-in-Chief to examine and report.

From Commissioners Phelan and White - Recommending that the compensation to be paid by the New York Harbor Tow Boat Company for permission to land at the Battery wharf, be fixed at the rate of \$25 per month, payable at the end of the month to the Dock Master. Recommendation adopted.

From the Treasurer—Reporting that he sold the privilege of filling-in 3,000 loads behind the bulkhead-wall at East Twenty-fifth street to Thomas Smith. Report approved.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending May 31, 1893, amounting to \$6,414.27, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893. May 23	Bernard Campbell.....	1 qrs. rent Pier at 16th st., N. R.....	\$250 00	.	1893.
" 24	N. Y., N. H. & H. R. R. Co.	" E. ½ Pier 51 and W. ½ Pier 52 and bld., etc., E. R..	2,000 00		

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
May 24	N. Y., N. H. & H. R. R. Co.	1 qrs. rent l. u. w., for widening Pier, old 45, E. R.....	\$178 50		
" 24	"	" l. u. w., for widening Pier 49, E. R.....	39 81		
" 24	Harlem River & Portchester R. R. Co.....	" l. u. w., pfm. between Piers 50 and 51, E. R.....	375 00		
" 24	G. W. Plunkitt & Smith.....	" Pier at 51st st., N. R.....	975 00		
" 23	E. Abeel .....	Storage of trucks.....	8 00		
				\$3,826 31	May 26
" 25	Thomas Smith.....	Filling-in at East 25th st., E. R.....	\$300 00		
" 29	George A. Woods.....	Wharfage, District No. 2, N. R.....	259 54		
" 29	B. F. Kenney.....	" 6, " ....	370 76		
" 29	James J. Fleming.....	" 10, " ....	179 83		
" 29	Henry A. Palmstine.....	" 1, E. R.....	183 14		
" 29	Charles S. Coye.....	" 3, " ...	494 45		
" 29	James A. Monaghan.....	" 5, E. R.....	138 88		
" 29	Joseph F. Meehan.....	" 9, " ....	123 50		
" 29	James W. Carson.....	" 11, " ....	85 50		
" 29	John J. Martin.....	" 13, " ....	56 17		
				2,191 77	May 29
" 31	Edward Abeel.....	" 4, N. R.....	\$115 66		
" 31	William B. Osborne.....	" 8, " ....	126 72		
" 31	Thomas P. Walsh.....	" 12, " ....	64 95		
" 31	Maurice Stack.....	" 7, E. R.....	88 86		
				396 19	May 31
			\$6,414 27	\$6,414 27	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of five bills or claims, amounting to \$6,577.92, which were approved and audited and ordered to be spread in full on the minutes, as follows :

Audit No.	Name.	Construction Account.	Amount.
13286.	Estate W. H. Beard, piles.....		\$850 00
13287.	Alfred J. Murray, piles.....		2,130 00
13288.	A. Schrader & Son, pumps, etc .....		428 80

Audit. No.	Name.	Amount.
13289.	Brown & Fleming, rip-rap.....	\$669 12
13290.	Morris & Cumings Dredging Company, dredging.....	2,500 00
		<u>\$6,577 92</u>

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13286.	Spruce.....per M	\$21 00
13287.	Spruce.....per M	21 00
13288.	Second-hand ½-inch iron chain.....per pound	00 04½
13289.	White oak, etc.....	53 00
13290.	Broken stone.....per cubic yard	1 35
13291.	Manila rope.....	350 00
13292.	Slow-setting Portland cement.....	<u>2,200 00</u>

The Treasurer reported that he had received estimates for furnishing the Department with spruce piles, yellow pine timber, white oak, sand, cobble-stone, Portland cement, Manila rope, and spruce, as follows :

*About 70 Spruce Piles, 50 to 55 Feet Long.*

C. N. Kimpland .....	\$7 00 each.
E. Mors & Co.....	11 25 "
Graves & Steers.....	<u>7 50 "</u>

*About 32,565 Feet, B. M., of New Sawed Yellow Pine Timber.*

Willson, Adams & Co.....	\$26 00 per M.
Yellow Pine Company.....	45 00 "
Graves & Steers.....	<u>42 50 "</u>

*About 8,869 Feet, B. M., of New White Oak.*

John F. Walsh, Jr.....	\$57 00 per M.
Graves & Steers.....	57 50 "
Wood & Robinson.....	<u>77 50 "</u>

*About 500 Cubic Yards of Sand.*

Brown & Fleming .....	\$0 64	per cubic yard.
Murray & Co .....	69	"
John A. Bouker .....	80	"
H. P. Sheridan .....	75	"

*About 2,000 Cubic Yards of Cobble Stones.*

John A. Bouker .....	\$0 75	per cubic yard.
H. P. Sheridan .....	90	"
Alexander J. Howell .....	78	"

*About 1,000 Cubic Yards of Broken Stone.*

Hudson River Stone Supply Company .....	\$1 30	per cubic yard.
Alexander J. Howell .....	1 33	"
Calvin Tomkins .....	1 48	"
Brown & Fleming .....	1 35	"
John A. Bouker .....	1 32 <sup>9</sup> / <sub>10</sub>	"

*3,543 Pieces Spruce, 15 to 25½ Feet Long, 3 and 4 by 10 Inches.*

Bell Bros .....	\$21 00	per M.
G. L. Schuyler & Co .....	21 00	"
East River Mill & Lumber Company .....	22 00	"
T. H. Simonson & Son .....	21 00	"

*5 Coils (About 4,000 Pounds) 5-inch Manila Rope, 4-strand, and laid up in Tallow.*

Alexander Pollock .....	\$0 08 <sup>1</sup> / <sub>6</sub>	per lb.
Degrauw, Aymar & Co .....	08 <sup>3</sup> / <sub>4</sub>	"
Travers Bros. Company .....	09	"
Foster Manufacturing Company .....	09 <sup>1</sup> / <sub>2</sub>	"

*1,000 Barrels Slow-setting Portland Cement.*

Baetjer & Meyerstein .....	\$2 11	per bbl.
James Brand .....	2 17	"
W. H. B. Totten & Co .....	2 14	"
Sinclair & Babson .....	2 23	"

The action of the Treasurer in awarding to orders to C. N. Kimpland, Wilson, Adams & Co., John F. Walsh, Jr., Brown & Fleming, John A. Bouker, Hudson River Stone Supply Company, Bell Bros., Alexander Pollock, and Baetjer & Meyerstein, they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Report for the week ending May 20, 1893.

2d. Reporting repairs required to the Pier at West Thirty-sixth street. Lessees notified to repair.

3d. Recommending the replacing of gas-lamps at the boat-landing near Pier "A" by granite caps. Recommendation adopted.

4th. Submitting a map or plan for the improvement of the water-front between Pier, new 46, North river, and the southerly side of West Twenty-third street.

On motion, the following resolution was unanimously adopted :

Resolved, That pursuant to the provisions of section 712 of chapter 410 of the Laws of 1882, as amended by chapter 397 of the Laws of 1893, the map or plan prepared and submitted by the Engineer-in-Chief, and adopted this day by the Board of Docks of the City of New York, for the alteration and amendment of the plan for improving the water-front and harbor of the City of New York, as determined by the Board of the Department of Docks, April 13, 1871, and adopted by the Commissioners of the Sinking Fund, April 27, 1871, on the North river, between the northerly side of Pier, new 46, near the foot of Charles street, and the southerly side of West Twenty-third street, be and is hereby directed to be transmitted to the Commissioners of the Sinking Fund for their approval.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 10982. Painted numbers on the ends of piers and bulkheads on the North, East and Harlem rivers.

No. 12703. Repaired Pier at West Fifty-fifth street.

No. 12783. Repaired Pier 48, East river.

No. 12847. Relaid about twenty square yards of pavement in front of Pier, new 1, North river.

No. 12887. Repaired the westerly side of Pier 12, East river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 12342. Repairs to the bulkhead east of Alexander avenue, Harlem river.

No. 12610. Repairs to the ferry premises at Roosevelt and Grand streets, East river.

No. 12790. Placing of a sign on "Van Tassel's" elevator foot of West Eleventh street.

No. 12824. Placing of a steam coal-hoisting machine at the bulkhead between Piers, new 38 and 39, North river.

No. 12828. Repairs to the lower side of Pier 15, East river.

No. 12870. Changing of gangways to ice-bridge on the bulkhead between Fourteenth and Fifteenth streets, North river.

No. 12874. Repairs to Pier "G," North river.

No. 12850. Placing of one thousand bales of cotton on the bulkhead at Franklin street, North river.



**No. 12894.** Removal of scales and ice-bridge of the Knickerbocker Ice Company from the Pier foot of East Thirty-third street to the Pier foot of East Twenty-eighth street.

The Secretary reported that the pay-rolls for the General Repairs and Construction Force for the week ending May 26, 1893, amounting to \$12,530.75, had been approved and audited, and transmitted to the Finance Department for payment.

On motion, the following resolution was unanimously adopted ; the work not to be commenced within ninety days from date :

**Resolved,** That the Engineer-in-Chief be and hereby is directed to proceed with the construction of Pier, new 19, North river, near the foot of Warren street, within the lines now established therefor, and to dredge upon the site of said pier, and in the northerly half of the slip, southward of it, to a depth of twenty-five feet in the clear, below mean low-water mark, and that all the work hereby ordered, be done otherwise than by contract, as required by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all materials, dredging, machinery, tools, etc., necessary therefor, not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the following resolution was unanimously adopted :

**Resolved,** That the Engineer-in-Chief be and hereby is directed to build a new divers' scow to be used in constructing the bulkhead or river-wall and upon work under the new plan ; the said scow to be similar to the other divers' scows in the Department, and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882 ; and that it be done by the force of the Department, by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all the materials, tools, etc., necessary for the same not now contracted for, and which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The application of Eugene Lentilhon, Leveler, for promotion to the position of Assistant Engineer, was tabled.

The following communications were received, read, and

On motion, ordered to be placed on file.

From the Engineer-in-Chief :

1st. Reporting the suspension of Laborers, Acting Watchmen, Thomas Fitzgerald and John A. Dickson and recommending their discharge.

On motion, said Fitzgerald and Dickson were directed not to be assigned to duty as Acting Watchmen for ten days.

2d. Recommending that his action in suspending Laborers, Acting Watchmen, James Sutton and John Coffey for five days and John Carroll for ten days be approved. Recommendation adopted.

3d. Recommending that his action in suspending Laborer, Acting Watchman, Michael Feeney for twenty days be approved.

On motion, said Feeney was directed not to be assigned to duty as Acting Watchman for ten days.

The following persons were appointed :

*Laborers.*

Patrick McCauley.  
Dominick Cleary.  
James Corbett.  
John Cuff.

George Meade.  
Matthew Sloan.  
John Smith.

Daniel Roche.  
John Ronan.  
Charles Nally.

*Dock Builders.*

Michael Chrystal.  
Samuel Abrams.  
William H. Conboy.

John Rode.  
Richard Cunningham.

R. H. Parsons.  
James Anderson.

*Ship Carpenter.*

Michael Leonard.

*Foreman of Laborers.*

James Bagley.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Tuesday, June 6, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The Board met for the purpose of receiving estimates for preparing for and building an iron awning shed on the Pier at the foot of West Fifty-second street, under Contract No. 446; for preparing for and paving the newly made land between Dey and Barclay streets, North river, under Contract No. 447, and for furnishing sawed yellow pine timber, under Contract No. 448, a representative of the Comptroller being present.

Two estimates were received under Contract No. 446—

st. From Thomas J. Sheridan, with security deposit \$75.....	\$3,645 00
id. From James M. Motley, " 75.....	<u>5,702 50</u>

Three estimates were received under Contract No. 447—

st. From Christian Lauer, with security deposit \$400.....	\$18,672 40
id. From Thomas Harrington, " 400.....	21,000 00
id. From Fred Thilemann, Jr., " 400.....	<u>20,078 24</u>

Four estimates were received under Contract No. 448—

	Per M.
st. From Graves & Steers, with security deposit \$800.....	\$31 25
id. From Yellow Pine Company, " 800.....	35 50
id. From James K. Clark, " 800.....	33 45
id. From Loring R. Millen, " 800.....	<u>31 00</u>

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolutions were adopted:

Resolved, That the contract opened this day for preparing for and building an iron awning shed, with appurtenances, on the Pier foot of West Fifty second street, be and hereby is awarded to Thomas J. Sheridan, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for preparing for and paving the newly made land between Dey and Barclay streets, North river, be and hereby is awarded to Christian Lauer, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

The Board deeming it to be for the best interests of the city to reject all bids received under Contract No. 448,

On motion, the following preamble and resolution were adopted :

Whereas, This Board deems it for the best interests of the city to reject the bids received this day for furnishing sawed yellow pine timber, under Contract No. 448,

Resolved, That the bids opened this day, under Contract No. 448, be and the same are hereby rejected, and the Secretary directed to readvertise said contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, June 8, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meetings of May 31 and June 1, 1893, were read and approved.

The matter of the location of Pier, new 13, North river, was tabled for one week.

The communication from the Engineer-in-Chief, suggesting the desirability of acquiring the north half of Pier 54, East river, was referred to Commissioners White and Phelan.

The communication from Oliver Bryan, offering to sell his rights in the premises at One Hundred and Fourteenth street, East river, described in the preambles and resolutions adopted January 14, 1892, for the sum of \$1,500, was referred to Commissioner White with power.

The application of the Houston, West Street and Pavonia Ferry Railroad Company to establish a car-stand in front of the Desbrosses Street Ferry, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To repair Pier 5, North river.

James Stevens & Son—To repair the dock at One Hundred and Thirty-eighth street, Mott Haven Canal.

G. F. & E. C. Swift—To repair the bulkhead between Thirty-eighth and Thirty-ninth streets, North river.

Hartford and New York Transportation Company—To dredge the slip between Piers 24 and 5, East river.

Charles T. Van Santvoord, lessee—To relay the pavement between the inner end of the pier foot of West Twenty-second street and Thirteenth avenue.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

C. H. Mallory & Co.—To place a gate at sides and street end of Pier 21, East river.

Brush Electric Illuminating Company—To place guards around the poles foot of Chambers, Wyand Harrison streets, North river.

The following permits were granted to continue only during the pleasure of the Board.

William R. Grace & Co.—Tally-house on Pier 19, East river.

Woodrow & Lewis—To place a thousand bales of cotton on the bulkhead near the foot of Franklin street. Compensation to be paid therefor at the rate of \$5 per day, Sundays included.

Brown & Fleming—To use a floating dumping-board between Fifty-ninth and Sixtieth streets, East river. Compensation to be paid therefor at the rate of \$1 per day, Sundays included.

The following communications were received, read, and,

(On motion, ordered to be placed on file :

From the Mayor's Office—Transmitting a resolution of the Board of Aldermen, respecting the repairs to the tug "Manhattan." Notify his Honor the Mayor that the Board approves said resolution.

From the Finance Department—Approving sureties on Contract No. 446.

From the Counsel to the Corporation—Approving form of Contract Nos. 445, 446 and 448.

From the Department of Public Works—Requesting permission to store sand on the Pier foot of East Twenty-eighth street. Application denied.

From the Commander United States steamship "Minnesota"—Requesting the placing of a landing float at the Pier foot of West Fiftieth street. The Engineer-in-Chief directed to build the float and locate it at said pier. Said float to be used by the public and to be maintained by the United States steamship "Minnesota."

From the Cunard Steamship Company (Limited) —Requesting an extension of thirty days in which to accept the terms of the preambles and resolutions adopted December 13, 1892. Time extended as requested.

From the Fulton Market Fishmongers' Association—Requesting an extension of time to October 1, 1893, to comply with the conditions of the permit granted October 6, 1892, for the building of a platform between Piers 22 and 23, East river. Time extended as requested.

From the Hudson Tunnel Railway Company—Requesting an extension of time for the payment of rent for the reclaimed land used by said company south of Pier, new 42, North river.

On motion, application denied, and the Secretary directed to transmit to the Counsel to the Corporation for collection the claim against said company for rent due, whereupon the following resolution was adopted :

Resolved, That all permits heretofore granted the Hudson Tunnel Railway Company, to erect and maintain any structure or structures on the new-made land at or near the foot of Morton street, North river, be and they are hereby revoked, and said company be and hereby is directed to remove said structure or structures within ten days from receipt of this notice.

From P. Sanford Ross—Requesting an extension of time for the completion of Contract No. 427.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of all the work to be done under Contract No. 427, P. Sanford Ross, contractor, for preparing for and building a crib-bulkhead, with appurtenances, from West One Hundred and Twenty-ninth to West One Hundred and Thirtieth street, and for dredging thereat, be and hereby is extended to the 20th day of May, 1893.

From John Peirce—Requesting an extension of time to complete Contract No. 414.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the deliveries of granite stones for bulkhead or river wall, under Contract No. 414, John Peirce, contractor, be and hereby is extended to July 1, 1893, provided the written consent of the sureties to said contract be filed in this office.

From Theodore F. Booth—Requesting an extension of time to complete Contract No. 428.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the deliveries of sawed yellow pine timber, under Contract No. 428, Theodore F. Booth, contractor, be and hereby is extended until the 1st day of July, 1893, provided the written consent of the sureties to said contract be filed in this office.

From James Parks—Requesting a lease of the Pier foot of West Fifty-eighth street. Referred to Commissioners Phelan and White.

From the Treasurer :

1st. Reporting that Louis Wendel has not yet constructed a float between One Hundred and Ninety-fourth and One Hundred and Ninety-fifth streets, Harlem river, under permit granted May 19, 1892. Permit revoked.

2d. Reporting that he had collected from Charles DuBois \$100, for allowing timber to go adrift, in violation of the rules of this Department.

3d. Reporting his inability to collect the cost of repairs to Pier, new 15, North river, damaged by a tug boat, in accordance with the resolution of April 13, 1893.

4th. Recommending that compensation be fixed as follows, payable in each case at the end of the month to the Dock Master :

Audubon Yacht Club, for float at One Hundred and Fifty-third street, North river, \$12.50 per month.

Moses Koenig, for swimming bath foot of East Fifty-sixth street, \$12.50 per month.

Frederick T. Volk, for boat-house at One Hundred and Fifty-eighth street, North river, \$1 per month.

Recommendation adopted.

From Commissioners White and Phelan—Recommending that the compensation to be charged the Columbia Steamboat Company for landing at the Battery wharf, be fixed at the rate of \$5 per

day, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

From Dock Master Abeel—Reporting repairs required to Pier, old 54, North river. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Carson—Requesting supplies for his office at One Hundred and Thirtieth street and Madison avenue. The Engineer-in-Chief directed to furnish said supplies.

The Dock Masters, to whom was referred on the 1st instant the application of the St. John's Guild, for permission to land their barge at West Thirty-fourth street, East Third street and Pike street, East river, submitted reports in relation thereto ; and,

On motion, permission was granted the St. John's Guild, during the pleasure of the Board, to land its barge foot of West Thirty-fourth street and at East Third street ; their application to land at Pike street, East river, was denied.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending June 7, 1893, amounting to \$30,950.02, which was received and ordered to be spread in full in the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEBITED
1893.					1893.
June 1	L. E. Muller.....	1 mos. rent, bhd. S. Pier, new 39, N. R.	\$125 00		
" 1	Cedar Hill Ice Co.....	" bhd. S. Pier foot Little W. 12th st., N. R.....	125 00		
" 1	Quebec S. S. Co.....	" bhd. bet. Piers, new 46 and 47, N. R.....	83 33		
" 1	N. Y., N. H. & Hartford R. R. Co.....	1 qrs. rent, l. u. w. for pfm. bet. Piers, old 45 and new 35, E. R. ....	400 68		
" 1	Thomas Ward.....	1 mos. rent, bhd., etc. S. of 80th st., N. R.....	83 37		
" 1	New Jersey Steamboat Co....	" Pier, old 40, N. R.....	1,666 67		
" 1	Del., Lack. & Western R. R. Co.....	1 qrs. rent, bhd. each side Pier, new 41, N. R.....	1,325 00		
" 1	Del., Lack. & Western R. R. Co.....	" Pier, new 41, N. R.....	7,625 00		
" 1	Robert S. Briggs.....	" Pier at W. 18th st., N. R..	550 00		
" 8	Central R. R. of N. J.....	1 mos. rent, S. ½ Pier 14 and bhd., N. R.....	1,437 50		
" 8	Associates of the Jersey Co..	1 qrs. rent, Pier, new 29, N. R.....	7,500 00		
	as E. Ward & Co.....	1 mos. rent, l. u. w. pfm. bet. Piers 16 and 17, E. R. ....	147 86		
	.....	Blue print plans for shed on W. 52d st. Pier, N. R.....	5 00		
				\$21,074 41	June



DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
June 2	Maine Steamship Co. ....	1 qrs. rent, Pier, old 38 and ½ bhd., West, E. R.....	\$3,000 00		
" 2	" .....	" 1. u. w. pfm. W. side Pier 38, E. R.....	99 63		
" 2	George Law.....	" N. ½ Pier at 10th st. and S. ½ Pier at 11th st., E. R .....	375 00		
" 3	Horatio D. Mould.....	4 mos. rent, pfm. W. side Pier 53, E. R.	41 66		
" 3	N. Y. & Northern R. R. Co...	1 mos. rent, Pier 40, E. R.....	1,041 66		
" 3	Greenpoint Ferry Co.....	1 qrs. rent, bhd. S. 24th st., E. R.....	1,025 00		
" 5	James Shewan Sons.....	1 mos. rent, berth for dry dock, S. side Pier at Stanton st., E. R.....	208 33		
" 5	Michael Mitchell.....	1 qrs. rent, Pier foot of 35th st., N. R.	\$1,250 00	\$5,791 28	June 5
" 6	George A. Woods.....	Wharfage, District No. 2, N. R.....	669 42		
" 6	Edward Abeel.....	" 4, " .....	427 95		
" 6	B. F. Kenney.....	" 6, " .....	184 85		
" 6	William B. Osborne.....	" 8, " .....	100 24		
" 6	James J. Fleming.....	" 10, " .....	110 75		
" 6	Thomas P. Walsh.....	" 12, " .....	65 02		
" 6	Henry A. Palmstine.....	" 1, E. R.....	104 42		
" 6	Charles S. Coye .....	" 3, " .....	300 95		
" 6	James A. Monaghan.....	" 5, " .....	267 66		
" 6	Maurice Stack.....	" 7, " .....	187 45		
" 6	Joseph F. Meehan.....	" 9, " .....	111 98		
" 6	James W. Carson .....	" 11, " .....	86 63		
" 6	John J. Martin.....	" 13, " .....	117 01		
" 6	Charles DuBois.....	Fine for timber adrift.....	100 00		
				4,084 33	June 6
			\$30,950 02	\$30,950 02	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty-three bills or claims, amounting to \$25,415.52 which were approved and audited and ordered to be spread in full on the minutes, as follows :

Andis No.	Name.	Construction Account.	Amount.
13291.	Alexander Pollock, blocks, valves, etc.....		\$294 36
13292.	A. Schrader & Son, divers' materials .....		40 60
13293.	Johnson Bros., lumber. ....		157 25

Audit. No.	Name.	Amount.
13294.	The Walker Chemical Company, oil .....	\$55 62
13295.	The Yale & Towne Manufacturing Company, lift, etc.....	126 00
13296.	J. Henry Haggerty, oil.....	22 33
13297.	X. Stoutenborough, tubes.....	24 50
13298.	The Foster Manufacturing Company, hose, etc.....	131 00
13299.	F. E. Davis & Co., poles.....	50 00
13300.	William D. Wheelwright & Co., lumber . ....	194 60
13301.	Henry R. Worthington, pump, etc.....	00
13302.	Martin B. Brown, printing... ..	517 25
		<hr/> \$1,655 51

*General Repairs Account.*

13303.	Dennis J. Trolan, services, horse, cart and driver.....	\$105 00
13304.	Martin B. Brown, printing.....	347 50
		<hr/> 452 40

*Annual Expense Account.*

13305.	P. W. Vallely, desks, etc.....	32 50
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*Construction Account.*

13306.	Incidentals.....	\$97 57
13307.	Car-fares.....	145 13
		<hr/> 242 70

*Annual Expense Account.*

13308.	Incidentals.....	151 83
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*General Repairs Account.*

13309.	Charles DuBois, Estimate No. 2, Contract No. 438.....	4,758 30
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*Construction Account.*

13310.	Alfred J. Murray, piles .....	\$6,370 00
13311.	William Turner, cobble.....	2,897 37
13312.	Baetjer & Myerstein, cement.....	1,070 48
13313.	Graves & Steers, pine, oak and piles.....	7,784 33
		<hr/> 18,122 18
		<hr/> <hr/> \$25,415 52

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13293.	Pile shoes.....	\$198 00
13294.	Services of horse, cart and driver..... per day	3 50
13295.	Armature plate.....	50 00
13296.	Windlasses, sheaves, etc.....	150 00
13297.	Bronze bushings.....	22 00
13298.	Department flag.....	15 00
13299.	Screw-bolts, dock-spike, etc.....	1,293 16
13300.	Awnings.....	20 00
13301.	Services of horse, cart and driver..... per day	3 50
13302.	Piles..... each	12 50
13303.	Yellow pine.....	5,652 00
13304.	Yellow pine..... per M	21 50

From the Engineer-in-Chief :

1st. Report for the weeks ending May 27 and June 3, 1893.

2d. Recommending the sale of certain old material.

On motion, the following resolution was adopted :

Resolved, That Van Tassell & Kearney, auctioneers, on behalf of this Board, be and hereby are authorized and directed to offer for sale at public auction, at various places on the North and East rivers, June 26, 1893, commencing at 10 o'clock A.M., certain old material, as recommended by the Engineer-in-Chief.

3d. Suggesting that the time for the completion of Treasurer's Order No. 16573 be extended to May 30, 1893.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of all the work to be done by Robert Deeley & Co., under Treasurer's Order No. 16673, for the building of a cement shed at Twenty-fourth street, East river, be and hereby is extended to May 30, 1893.

4th. Recommending that the lessees be directed to repair Pier, new 59, North river, the approach to Pier 8, East river, and the Pier at East Twenty-third street. Recommendation adopted.

5th. Reporting repairs required to the approach to Pier 3, East river. Owners directed to repair.

6th. Reporting repairs required to the bulkhead beneath the paving on the southerly side of Warren and West streets. The Engineer-in-Chief directed to repair.

7th. Reporting repairs required to the docks at Hart's Island. The Engineer-in-Chief directed to repair.

8th. Recommending the removal of the old boiler shells dropped overboard from East Ninety-fourth street. The Engineer-in-Chief directed to remove.

9th. Reporting the non-removal of the street-cleaning material between Fifty-fifth and Fifty-sixth streets, North river.

10th. Recommending the removal of the float of John Boelsen from the foot of One Hundredth street to Ninety-sixth street, East river. Recommendation adopted.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 12664. Submitting plans, specifications and form of contract for the removal of the existing Pier foot of West Fifteenth street and the building of a new pier thereat. Approved, subject to approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

No. 12689. As to the dredging required between Piers, old 53 and 54, East river, in accordance with the request of the Department of Street Cleaning. The Engineer-in-Chief directed to prepare specifications and form of contract for dredging.

Nos. 12070 and 12714. Submitting cost of repairing damage done to tug "Pier" by the ferry-boat "Hudson City." Treasurer authorized to collect from the Pennsylvania Railroad Company.

No. 12797. Submitting the cost of taking up and relaying the pavement in front of Christopher street ferry-house. The Treasurer authorized to collect from the Hoboken Land and Improvement Company.

No. 12833. Reporting extensive repairs required to the pier at Thirteenth street, East river. Occupant directed to repair.

No. 12855. Submitting cost of taking up and relaying pavement in front of Pier, new 1, North river. Treasurer authorized to collect from the Iron Steamboat Company.

No. 12893. As to the repairs required to the bulkhead foot of East Forty-eighth street. The Engineer-in-Chief directed to repair the portion under the control of this Department, in conjunction with the repairs to be made by the Department of Public Works and the owners of said premises.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 11941. Repairs to Pier at Horatio street.

No. 12253. Repairs to the bulkhead between Thirteenth and Fourteenth streets, East river.

No. 12533. Dumping of street-cleaning material between Ninety-seventh and Ninety-eighth streets, North river.

No. 12561. Repairs to the pier at West Twenty-second street.

No. 12747. Repairs to Pier, new 1, North river.

No. 12769. Erection of building on the Pier foot of East Third street for the sale of milk.

No. 12782. Replacing of planking in front of Pier, new 26, North river.

No. 12800. Placing of a bath at the Battery by William A. Hall.

No. 12827. Placing of a bath at the Pier foot of East Third street.

No. 12846. Erection of a temporary shed on the Pier foot of Jane street.

No. 12853. Erection of a building on the Pier foot of East Third street for the sale of milk.

No. 12856. Dredging at Port Morris, Long Island Sound.

No. 12857. Removal of hay-wire from Pier foot of Bethune street.

No. 12864. Repairs to Pier, new 56, North river.

No. 12867. Placing of a float at West One Hundred and Fifty-third street.

No. 12875. Repairs to the bulkhead north of Pier, new 45, North river.

No. 12910. Raising of a sunken canal-boat, between Piers, new 54 and 55, North river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12658. Repairs to Pier at East Twenty-fourth street.

No. 12742. Repairs to the pavement in the vicinity of Pier, new 45, North river.

No. 12796. Placing of signs at the Piers foot of Bogart and Bloomfield street, prohibiting vessels, other than market boats, from landing.

No. 12829. Repairs to Pier at East Twenty-eighth street.

No. 12838. Maintained man-of-war landing at West Fifty-ninth street.

No. 12839. Maintained man-of-war landing at West Eighty-second street.

No. 12872. Placing of a sign at the outer end of the Pier at West Twentieth street, prohibiting all vessels, except passenger boats, from landing.

No. 12897. Prevented the filling in of street-cleaning material behind the crib-bulkhead between Ninety-seventh and Ninety-eighth streets, North river.

The Engineer-in-Chief returned Secretary's Order No. 12497.

The Secretary reported the pay-rolls for the month ending May 31, 1893, amounting to \$12,929.07, and the pay-rolls for the General Repairs and Construction Force for the week ending June 2, 1893, amounting to \$11,603.59, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary reported that the right to collect and retain all wharfage accruing at the following named wharf property had been sold to the highest bidders therefor as named below, at the public sale held Wednesday, June 7, 1893, at 12 o'clock noon, at Pier "A," North river, by Van Hassell & Kearney, auctioneers, for the terms and at the prices stated opposite each lot respectively, to wit :

For the term of five years from July 1, 1893, with privilege of renewal for five years.

*On the East River.*

Lot 1. Made land and land under water between the northerly line of East Fifty-fourth street and the centre line of the block between East Fifty-fourth and East Fifty-fifth streets, easterly of original high-water mark, to the Consumers Brewing Company, for \$150 per annum.

Lot 2. Made land and land under water between the centre line of the block between East Fifty-fourth and East Fifty-fifth streets, and the southerly line of East Fifty-fifth street, easterly of original high-water mark, to the John Kress Brewing Company, for \$150 per annum.

*On the Harlem River.*

Lot 8. Bulkhead platform foot of East One Hundred and Fifth street, about 60 feet, to Kane & Wright, for \$400 per annum.

Lot 4 was withdrawn by direction of the Commissioners before the sale.

For Lots 3, 5, 6, 7, 9 and 10 no bids were received.

On motion, the officers of the Board were authorized to execute said leases in the form as approved by the Counsel to the Corporation.

On motion, the matter of the compensation to be paid by C. H. Mallory & Co. for the use of the bulkhead between Pier, old 20, and Pier, old 21, East river, was referred to Commissioners Phelan and White.

On motion, the Treasurer was authorized to issue orders for furnishing sawed yellow pine timber, pending the readvertising of Contract No. 448.

On motion, the Engineer-in-Chief was directed to place fender-piles for the Naval Militia ship "New Hampshire," on southerly side of Pier foot of East Twenty-eighth street.

On motion, the application of the Department of Street Cleaning to dump at West Fifty-fifth and West Ninety-seventh streets was referred to Commissioners Phelan and White with power.

On motion, permission was granted Michael Mitchell, lessee, to paint a sign on the coal-pocket at the end of Pier, new 65, North river.

On motion of the President the following preamble and resolution were adopted :

Whereas, The Department of Public Works is pressing the improvement of Twelfth avenue, from Twenty-seventh to Thirty-fourth street, and in view of the unsanitary condition of the wharf property between the centre-line of the block between Thirty-third and Thirty-fourth streets, and the southerly line of Thirty-fourth street,

Resolved, That the Counsel to the Corporation be requested to push, as soon as possible, the proceedings now pending before a commission to acquire the fee of this property and be requested to put the Department of Docks in possession at the earliest possible moment.

The following persons were appointed :

*Laborers.*

John Leddy.

John Doonan.

James McMahon.

Thomas Cooney.

Edward Condon.

J. Rafferty.

Edward J. Lynch.

John Ward.

*Dock Builders.*

Joseph Walsh.

John O'Connor.

William Thorpe.

John Moran.

*Foreman of Laborers.*

Edward W. Meyer.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read and

On motion, ordered to be placed on file.

From the Engineer-in-Chief—Recommending that his action in suspending Laborer James White for ten days be approved. Recommendation adopted.

On motion, W. W. Maclay, First Assistant Engineer, was granted a leave of absence for six months, without pay, to take effect July 1, 1893.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier “ A,” Battery place, Tuesday, June 13, 1893, at 11 o’clock A. M.

Present—President Cram.

“ Commissioner Phelan.  
“ “ White.

The Board met for the purpose of receiving estimates for preparing for and laying pavement on new made land in rear of the bulkhead-wall at East Ninety-fourth Street Section on the East river, and East One Hundred and Tenth Street Section on the Harlem river, under Contract No. 445, a representative of the Comptroller being present.

Four estimates were received, as follows :

1. Thomas F. Myers, with security deposit, \$160.....	\$8,150 00
2. Thomas Smith, with security deposit, \$160.....	7,100 00
3. John J. Cumings, with security deposit, \$160.....	7,468 00
4. John Cox, with security deposit, \$160.....	<u>7,200 00</u>

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the contract opened this day for preparing for and laying pavement on new-made land in rear of the bulkhead-wall at East Ninety-fourth Street Section, on the East river, and East One Hundred and Tenth Street Section, on the Harlem river, be and hereby is awarded to Thomas Smith, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

The Secretary submitted a communication from the Finance Department in reference to the substitution of sureties on Contract No. 442.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the substitution of William J. Ellis, as surety, in place of Arthur Short, on estimate of Barth. S. Cronin for preparing for and building a new crib-bulkhead adjoining the storehouse dock, Blackwell’s Island, East river, and for building a boat landing and for dredging thereat, under Contract No. 442.

On motion, the following resolution was adopted :

Resolved, That hereafter the meetings of the Board for the opening of all estimates for work advertised to be done by contract be held Thursdays, at eleven o’clock A. M.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday June 15, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meetings held June 6 and 8, 1893, were read and approved.

The communication from the commander of the school-ship "St. Marys" respecting the wharfage charged at the Pier foot of East Twenty-eighth street, was referred to the Treasurer.

The communication from the Carroll Box and Lumber Company, requesting permission to use and occupy the north side of the Pier foot of West Nineteenth street, was referred to Commissioners White and Phelan.

The communication from the Engineer-in-Chief, requesting that arrangements be made for about 24,900 loads of filling to be placed behind the bulkhead-wall at East Ninety-sixth Street Section, was referred to Commissioner White.

The following permits were granted, to continue only during pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief.

Houston, West Street and Pavonia Ferry Railroad Company, to place a car stand in front of Desbrosses street ferry-house.

James J. Herbert, to erect an ice-platform on the bulkhead between One Hundred and Seventh and One Hundred and Eighth streets, Harlem river, as soon as the pavement to be laid there under Contract No. 445 is completed.

M. C. Dexter, to locate a swimming-bath at the Pier foot of West Thirty-fourth street, compensation to be fixed by the Treasurer.

United States steamship "Minnesota," to place braces on the string-piece of the Pier at West Fiftieth street.

Michael J. Kane, to fill in on his property between Ninety-sixth and Ninety-seventh streets, East river.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief:

Pennsylvania Railroad Company, to dredge in the slip between Piers 4 and 5, North river.

North River Steamboat Company, to widen the gangways and cut a door on the south side of Pier, new 46, North river; provided the consent of the lessees is obtained.

C. H. Mallory & Co., to replace piles at Pier 20, East river.

The following permits were granted, to continue only during the pleasure of the Board :

Commissioners of Quarantine, to land at the Battery wharf.

American Committee Statue of Liberty, to land at Battery wharf ; compensation to be fixed by the Treasurer.

Committee for the Reception of the Norwegian Viking Ship, to land at the Battery wharf  
June 17, 1893.

James J. Herbert, to occupy the bulkhead between One Hundred and Seventh and one Hundred and Eighth streets, East river ; compensation to be fixed by the Treasurer.

Thomas Stokes, to unload one cargo of coal at the bulkhead foot of West Ninety-eighth street.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Finance Department—Approving sureties on Contract No. 442.

From the Department of Public Parks—Requesting the Board to co-operate in the removal of a portion of Castle Garden wharf.

From the Department of Public Works :

1st. Requesting that the Pier at West Nineteenth street be kept open, so as to allow access to the fire-hydrant by boats. Notify the Dock Master.

2d. Requesting the assignment of a pier on the East river, between Twentieth and Thirtieth streets, for the unloading and storing of sand. Notify said Department that the Pier foot of East Twenty-fourth street is to be extended for their use.

3d. Stating that there is no appropriation applicable for the placing of public hydrants on the bulkhead between Seventy-fifth and Seventy-ninth streets, North river, requested on the 25th ultimo.

From the Clerk of the Common Council, transmitting a certified copy of resolution authorizing this Department to contract for repairs to the tug “Manhattan,” without public letting.

From the Commissioners of Quarantine :

1st. Respecting the bill rendered for the use of the tug “Manhattan” and naphtha launch during the cholera epidemic of 1892.

2d. Requesting a permanent berth for the steamer “Ripple.” Notify the Dock Master to assign a berth at the New Washington Market.

From the Secretary of War—Granting permission to build a temporary platform in front of the Battery wall.

From Daniel Lord, attorney—Respecting the revocation of the permit granted the Hudson Tunnel Railway Company to occupy the premises south of Pier, new 42, North river.

From John Peirce—Submitting the written consent of sureties to the extension of Contract No. 44.

From Theodore F. Booth—Submitting the written consent of sureties to the extension of Contract No. 428.

From J. Wesley Smith—Requesting a renewal of permit for ice-bridge, weigh-office and scales at the bulkhead at West Eleventh street. Application denied.

From Thomas Stokes—Requesting a berth at the bulkhead between Twenty-ninth and Thirtieth streets, North river. Application denied.

From the American Committee Statue of Liberty—Requesting permission to place signs on the Battery Wharf. Application denied.

From Saint John's Guild—Requesting permission to land their barge during the ensuing summer at the Pier foot of Rutgers street. Referred to the Dock Master to examine and report.

From N. F. Palmer, Jr., & Co.—Stating that the repairs ordered on the 8th instant to the Pier at East Thirteenth street were completed under permit dated May 4, 1893.

From the New York Central and Hudson River Railroad Company—Reporting damage to Pier 5, East river, by dredging machines, engaged in dredging the slip between Piers 5 and 6, East river. Charles Du Bois, contractor, notified to repair under the supervision of the Engineer-in-Chief.

From Nathan Straus—Requesting permission to erect an awning on the Pier foot of East Third street. Notify him that the Department has awarded a contract for the building of a shed on said pier.

From Goodrich, Deady & Goodrich, attorneys—Requesting the Board to issue orders to its Dock Masters to remove vessels obstructing bulkheads on the shore of Long Island, opposite New York City. Referred to the Counsel to the Corporation.

From John Donnellon—Reporting the wreck of a boat foot of East Ninety-seventh street. Engineer-in-Chief directed to remove.

From Dock Master Kenney—Reporting that the approach to the Pier foot of West Twentieth street requires grading. The Engineer-in-Chief directed to do the necessary work.

From Dock Master Coye—Reporting repairs required to the bulkhead between Piers, new 29 and old 38, and to Pier, new 32, East river. Engineer-in-Chief directed to repair.

The President and Treasurer, to whom was referred October 20, 1892, the matter of compensation to be paid for the use of land under water covered by the extension of Pier, old 41, North river, recommended that the matter be left in abeyance, pending the extension of the new bulkhead-wall through the inner end of said pier. Report approved.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending June 14, 1893, amounting to \$9,286.67, which was received and ordered to be spread in full on minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D Di it
1893.					it
June 7	William J. Murray.....	1 qrs. rent bhd. bet. Piers, old 1 and new 1, N. R.....	\$250 00		
" 7	" .....	" bhd. foot of 99th st., E. R.	375 00		
" 7	Thomas Smith.....	Sale of dump tickets.....	1 40		
" 7	Consumers' Brewing Co.....	1 qrs. rent bhd. 100 feet north of 54th st., E. R.....	37 50		
" 7	John Kress Brewing Co.....	" bhd. 100 feet south of 55th st., E. R.....	37 50		
" 7	Kane & Wright.....	" bhd. pfm. foot of 105th st., E. R.....	100 00		
" 8	J. M. Ceballos & Co.....	" l. u. w. covered by changes on Pier 10, E. R.....	125 00		
" 8	E. Abeel.....	Truck storage.....	8 00		
" 9	W. W. Rossiter.....	1 qrs. rent Pier, new 57, N. R.....	6,250 00		
				\$7,184 40	Jun
" 12	Thomas Smith.....	Sale of dump tickets. ....	\$12 60		
" 13	William J. Clark.....	1 mos. rent l. u. w. pfm. south of Pier 43, E. R.....	16 30		
" 13	George A. Woods.....	Wharfage, District No. 2, N. R .....	204 55		
" 13	Edward Abeel.....	" 4, " .....	115 32		
" 13	B. F. Kenney .....	" 6, " .....	316 00		
" 13	William B. Osborne.....	" 8, " .....	41 80		
" 13	James J. Fleming.....	" 10, " .....	18 52		
" 13	Thomas P. Walsh.....	" 12, " .....	35 50		
" 13	Henry A. Palmstine.....	" 1, E. R.....	121 26		
" 13	Charles S. Coye.....	" 3, " .....	773 79		
" 13	James A. Monaghan.....	" 5, " .....	144 75		
" 13	Joseph F. Meehan .....	" 7, " .....	57 32		
" 13	Maurice Stack.....	" 9, " .....	82 60		
" 13	James W. Carson .....	" 11, " .....	109 50		
" 13	John J. Martin.....	" 13, " .....	52 46		
				\$2,102 27	Jun
			\$9,286 67	\$9,286 67	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
13305.	Castings, per pound.....	\$0 2½
13306.	Rip-rap.....	420 00
13307.	Piles.....	9,000 00
13308.	Dredging.....	2,500 00
13309.	Services of tugs, per hour.....	5 00
13310.	Canvas covers.....	135 00
13311.	Yellow pine.....	1,103 40
13312.	Granite.....	2,288 90
13313.	Portland cement.....	2,250 00
13314.	Pile-driver engines.....	3,150 00
13315.	Feather dusters, etc.....	83 20
13316.	Cotton waste, tallow, etc.....	98 00
13317.	Manila rope.....	558 00
13318.	White lead, etc.....	100 20
13319.	Fitch brushes, etc.....	10 20
13320.	Printing and stationery.....	54 10
13321.	Electric motor....	185 00

Requisition No.

605. Matches, towels, etc.....
607. Printing and binding.....

The Treasurer reported that he had received estimates for furnishing the Department with pine, cypress or spruce piles, screw-bolts, etc., manila rope, Portland cement, yellow pine plank and rip-rap, as tollows :

250 Sound and Straight Pine, Cypress or Spruce Piles, 50 to 60 Feet Long.

	50 TO 55 FEET.	55 TO 60 FEET.
Alfred J. Murray.....	\$13 50 each.	\$14 00 each.
Graves & Steers.....	13 75 "	13 75 "
E. Mors & Co.....	14 00 "	14 10 "
W. H. Beard.....	15 00 "	15 00 "
C. N. Kimpland.....	14 25 "	14 25 "

*About 48,375 Pounds of Screw-bolts, Dock-spikes, Lag-screws, etc.*

Peter Timmes' Son .....	\$1,194 64
Alexander Pollock .....	1,209 38
John Loyd .....	1,340 00
Robert Deeley & Co. ....	<u>1,685 93</u>

*About 6,200 Pounds of Manila Rope.*

DeGrauw, Aymar & Co. ....	\$0 8½ per lb.
Alexander Pollock ...	8½ "
C. Burnett .....	8¾ "
The Forster Manufacturing Company ...	<u>9 "</u>

*About 1,000 Barrels Quick-setting Portland Cement.*

W. H. B. Totten & Co. ....	\$2 07 per barrel.
James Brand .....	2 15 "
Snclair & Babson .....	2 18 "
Bartjer & Meyerstein .....	<u>2 22 "</u>

*About 61,300 Feet (B. M.) of Yellow Pine.*

Graves & Steers .....	\$19 25 per M.
Robinson & Booth .....	<u>21 50 "</u>

*About 1,500 Cubic Yards of Rip-rip.*

H. P. Sheridan .....	\$0 32½ per cubic yard.
Alexander Howell .....	<u>33 "</u>

The action of the Treasurer in awarding the orders to Alfred J. Murray, Peter Timmes' Son, DeGrauw, Aymar & Co., W. H. B. Totten & Co., Graves & Steers and H. P. Sheridan, they being the lowest bidders, approved.

From the Engineer-in-Chief:

1st. Report for the week ending June 10, 1893.

2d. Reporting repairs required to the Pier at West Fifty-sixth street. Engineer-in-Chief directed to repair.

3d. Reporting the completion of Contracts Nos. 438 and 440.

4th. Stating that it will be necessary to remove the dump of the Department of Street Cleaning in order to proceed with the work at Canal Street Section.

5th. Reporting repairs required to the pavement on the bulkhead south of Pier, new 45, North river. Engineer-in-Chief directed to repair, and report the cost for collection from the lessees of said bulkhead.

6th. Reporting filling-in on the easterly side of Lexington avenue, Harlem river, by Henry Hart without a permit. Notify said Hart to obtain a permit.

The Engineer-in Chief submitted the following reports on Secretary's Orders :

No. 12826. That it is not the intention of the Department of Public Works to avail themselves of the permit granted April 29, 1893, to dump material at East Twenty-fifth street. Permit revoked.

No. 12866. Submitting cost of opening the bulkhead in front of Pier, new 22, North river, to permit the laying of a water-pipe. Treasurer authorized to collect from J. L. Fagan.

No. 12909. As to the communication from Dock Master Martin, reporting the erection of a boat-house north of One Hundred and Fifty-eighth street, North river, by John Wagner without a permit. Notify said Wagner to obtain a permit.

No. 12914. As to the communication from the Washington Heights Taxpayers' Association, suggesting the construction of a new street along Sherman's creek.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 11941. Repairs to the Pier at Horatio street.

No. 11885. Location of a boat-house on the Harlem river south of Morris Dock.

No. 12896. Erection of a coal-pocket in the rear of the bulkhead between Ninety-fifth and Ninety-sixth streets, North river.

No. 12902. Sheathing the sides of Pier, new 58, North river.

No. 12915. Repairs to the Pier at West Thirty-sixth street.

No. 12917. Erection of a fence at the bulkhead south of West Forty-eighth street.

No. 12934. Repairs to Pier, new 59, North river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12840. Maintained man-of-war landing at West Ninety-sixth street.

No. 12881. Built a platform at the Battery wall near the Barge Office.

The Engineer-in-Chief returned Secretary's Order No. 12859.

The Secretary reported the pay-rolls for the general repairs and construction force for the week ending June 9, 1893, amounting to \$12,934.95, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary submitted a report of the tonnage of vessels berthed on the North and East rivers for the month ending May 31, as directed May 2, 1893, viz. :

*On the North River.*

Foreign .....	267,489	
Domestic .....	1,422,831	
	<u>          </u>	1,690,320

*On the East River.*

Foreign .....	64,337	
Domestic .....	569,554	
	<u>          </u>	633,891
Total .....		<u>2,324,211</u>

On motion, the Engineer-in-Chief was directed not to approve of any plan and not to permit the construction of Pier, new 13, North river, upon any lines except such as are parallel to the Washington Pier.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The communication from the Engineer-in-Chief, recommending that his action in directing that Michael Dwyer and Andrew Gallagher, Laborers, be not again assigned to duty as Acting Watchmen, was approved.

On motion, the Civil Service Boards was requested to transmit an eligible list of Assistant Engineers, Steam Engineers and Pile Driving Enginemen.

On motion, the following resolutions were adopted :

Resolved, That the compensation of Andrew McC. Parker, Assistant Engineer, be and is hereby fixed at the rate of three thousand six hundred dollars per annum, to take effect July 1, 1893.

Resolved, That the compensation of Godfrey P. Farley, Assistant Engineer, be and is hereby fixed at the rate of two thousand four hundred dollars per annum, to take effect July 1, 1893.

Resolved, That the compensation of John A. Bensel, Assistant Engineer, be and is hereby fixed at the rate of three thousand dollars per annum, to take effect July 1, 1893.

The following-named persons were appointed :

*Laborers.*

Thomas P. Clench.

John Lynch.

Joseph Keating.

Patrick Doyle.

Thomas Dwyer.

Thomas Burnes.

James Leary.



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*Dock Builders.*

Frank Bradford.

William Perchback.

*Stone Cutter.*

Michael Dunn.

*Stone Mason.*

Thomas Nolan.

*Deck Hand.*

James Kane.

*Saw Filer.*

Edward J. Flynn.

*Ship Carpenter.*

David McElroy.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secre

At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Tuesday, June 20, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The Board met for the purpose of receiving estimates for furnishing sawed yellow pine timber under Contract No. 448, for preparing for and building a cribwork bulkhead on the westerly side of Riker's Island, in the East river or Long Island Sound, under Contract No. 449, and for preparing for and building a rip-rap embankment at the westerly side of Riker's Island in the East river or Long Island Sound under Contract No. 450, a representative of the Comptroller being present.

Three estimates were received for Contract No. 448, as follows :

1. Loring R. Millen, with security deposit, \$800.....	\$31 00 per M.
2. William D. Wheelwright and Charles R. Hewitt, with security deposit, \$800.....	26 45 "
3. Yellow Pine Company, with security deposit, \$800.....	<u>30 25 "</u>

Five estimates were received for Contract No. 449, as follows :

1. Spearon & Booth, with security deposit, \$3,000.....	\$149,875 00
2. Edward S. Walsh, with security deposit, \$3,000.....	155,000 00
3. Oliver McLean, with security deposit, \$3,000.....	133,824 00
4. James D. Leary, with security deposit, \$3,000.....	172,440 00
5. P. Sanford Ross, with security deposit, \$3,000.....	<u>172,975 00</u>

Two estimates were received for Contract No. 450, as follows :

John Bernard Cole, with security deposit, \$1,550.....	\$139,250 00
Ernest & Fleming, with security deposit, \$1,550.....	<u>124,000 00</u>

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the contract opened this day, for furnishing sawed yellow pine timber, be and is awarded to William D. Wheelwright and Charles R. Hewitt, they being the lowest bidders, on the approval of the sureties by the Comptroller.

The Board postponed the awarding of Contract No. 449 and rejected Contract No. 450.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, June 22, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meetings of the 13th and 15th instants were read and approved.

The communication from the Engineer-in-Chief submitting map of the premises, between One Hundred and First and One Hundred and Second streets, East river, and suggesting that arrangements be made for the purchase of that portion which is private property, was referred to Commissioners White and Phelan.

James Shewan appeared before the Board and requested permission to berth his dry dock temporarily on the north side of the Pier foot of East Eighteenth street.

On motion, the permit granted March 16, 1893, to use and occupy the north half of Pier 61, East river, was revoked, and the following resolution adopted :

Resolved, That permission be and hereby is granted James Shewan & Sons to use and occupy, pending the rebuilding of Pier 62, East river, a berth for a dry dock on the north side of the Pier foot of East Eighteenth street, upon the terms and conditions of the permit granted December 23, 1892.

James A. Wright, Jr., second vice-president of the International Navigation Company, asked that the charge for wharfage for the use of the Washington Pier begin July 1, 1893. Application granted, Commissioner Phelan not voting.

On motion, permission was granted Robert Main to load one boat with cellar dirt at the Pier foot of East Eighty-sixth street.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the Department of Street Cleaning—Requesting dredging at the dump foot of East Eightieth street.

From Pietro Altieri & Brothers—Requesting permission to fill in on the west side of Gerard avenue, north of Madison Avenue Bridge.

The following permits were granted ; the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company, to extend the South Ferry rack of their Thirteenth street ferry, a distance of sixty feet.

Maine Steamship Company, to repair Pier 38, East river.

Peter Conroy, to place a small float and crib, foot of One Hundred and Thirty-ninth street, North river, to remain thereat only during the pleasure of the Board, compensation to be fixed by the Treasurer.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz. :

From the Finance Department :

1st. Approving sureties on Contract No. 445.

2d. In reference to the substitution of sureties on Contract No. 447.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the substitution of James N. Motley and Bernard Mahon, as sureties in place of Thornton N. Motley and Thomas R. Keator on estimate of Christian Lauer for preparing for and paving the newly-made land between Dey and Barclay streets, North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers under Contract No. 447.

From the Counsel to the Corporation :

1st. Approving form of Contracts Nos. 449 and 450.

2d. Requesting information respecting the pier and bulkhead foot of West One Hundred and Twenty-ninth street, required in the suit of the Warren Foundry and Machine Company vs. The Mayor. The Engineer-in-Chief directed to furnish the same.

3d. Requesting three copies of a map showing the premises involved in the suit of The Mayor vs. Minor. The Engineer-in-Chief directed to furnish said map.

4th. Requesting the Board to ascertain the depth of water between Fifty-third and Fifty-fourth streets, North river, required in the injunction suit of Van Auken vs. The Mayor.

From the Department of Public Works—Complaining of obstructions in the way of berthing the public bath foot of East Twenty-eighth street. Notify the Dock Master.

From the Cunard Steamship Company (Limited)—Requesting a lease of Piers, new 50 and 51, North river, when built.

From the New York Central and Hudson River Railroad Company—Reporting the completion of repairs to the Pier at West Thirty-sixth street, requested June 1, 1893.

From James J. Herbert—Requesting permission to occupy the bulkhead foot of East One Hundred and Fourth street for an ice-bridge, instead of between One Hundred and Seventh and One Hundred and Eighth streets, East river.

On motion, the permit granted June 15, 1893, was revoked, and a permit granted to occupy the bulkhead foot of East One Hundred and Fourth street, during the pleasure of the Board, together with permission to erect an ice-bridge thereon, compensation to be fixed by the Treasurer.

From Manchester & Philbrick—Requesting a lease of about two hundred feet of bulkhead between Ninetieth and One Hundred and Eighth streets, East river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted Manchester & Philbrick, during the pleasure of the Board, to use and occupy about two hundred feet of bulkhead between One Hundred Seventh and One Hundred and Eighth streets, East river, the compensation for said privilege to be fixed by the Treasurer.

From the Panama Railroad Company--Complaining of men-of-war anchored in the vicinity of Pier, new 59, North river. Referred to the Supervisor of the Port.

From the Peoples Line—Complaining of a nuisance foot of Canal street, North river. No said parties that the filling-in at Canal Street Section will be commenced on the 26th instant.

From the Ocean Steamship Company of Savannah—Requesting the cancellation of the existing lease of Pier, new 35, North river, and the granting of a new lease upon the terms and conditions embodied in the leases of wharf property now used by this Department.

On motion, the following preamble and resolution were adopted :

Whereas, A communication, dated June 22, 1893, was received by this Board from R. B. Walker, agent of the Ocean Steamship Company of Savannah, requesting that the existing lease of Pier, new 35, be cancelled, and a new lease granted, containing the terms and conditions as at present embodied in the leases now used by said Department :

Resolved, That, by virtue of the power and authority vested in this Board and in pursuance of the statutes in such cases made and provided, this Department hereby agrees to lease, assign or farm-let to the Ocean Steamship Company of Savannah all the wharfage which may arise, accrue or become due in the manner and at the rates prescribed by law for the use and occupation of Pier, new 35, North river, as extended, together with the shed thereon now occupied by said company for a period of ten years from the first day of May, 1893, for the sum of forty thousand six hundred and ninety dollars and four cents per annum, payable quarterly in advance to the Treasurer of this Department. The said lease shall contain the usual covenants and conditions as at present embodied in the leases of wharf property now used by this Department.

From Simon Sterne, attorney—Protesting on behalf of the Hudson Tunnel Railway Company against a revocation of the permit, to occupy the reclaimed land south of Pier, new 42, North river.

On motion, said company were notified that an extension of ninety days was granted.

From Dock Master Coye :

1st. Reporting repairs required to Pier 21, East river. Lessee directed to repair.

2d. Reporting favorably upon the application of St. John's Guild, to land their barge during the ensuing summer at the foot of Rutgers street. Permit granted, to continue only during the pleasure of the Board.

From Dock Master Meehan :

1st. Reporting that Candee & Smith have failed to remove the brick from the Pier at East Twenty-eighth street. The Dock Master directed to remove the brick at the expense of said parties.

2d. Reporting repairs required to the Pier at East Thirty-eighth street. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Palmstine—Reporting repairs required to Piers 3 and 6, East river. Resolved to repair.

From Dock Master Carson :

1st. Reporting that the bulkhead at East One Hundred and Twelfth street requires cleaning. The Engineer-in-Chief directed to clean.

2d. Reporting that the bulkheads foot of One Hundred and Sixth and One Hundred and Seventh streets, Harlem river, require repairing, cleaning and dredging. The Engineer-in-Chief directed to examine and report.

3d. Reporting that the railing at One Hundred and Twenty-ninth street and Second avenue requires repairs. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Kenney—Recommending the placing of a sign at the outer end of the Pier foot of West Nineteenth street, forbidding all vessels from loading or unloading thereat. The Engineer-in-Chief directed to place said sign.

From Commissioners White and Phelan :

1st. Recommending that the New York and Long Branch Steamboat Company pay as compensation for the privilege of landing their steamboats at the Battery wharf, under permit granted June 15, 1893, the sum of \$5 per day for each boat, Sundays included, payable at the end of each week to the Dock Master. Report approved.

2d. Recommending that a permit be granted the Carroll Box and Lumber Company to occupy during the pleasure of the Board, the north side of the Pier foot of West Nineteenth street, commencing July 1, 1893, and that the compensation for said privilege be fixed at the rate of \$125 per month, payable at the end of each month to the Treasurer. Report approved.

Commissioner White, to whom was referred on the 15th instant the matter of filling in behind the bulkhead-wall at East Ninety-sixth street, reported that he had granted the exclusive privilege of doing said filling to McManus & Quinn for the sum of \$2,500. Report approved.

From the Treasurer :

1st. Recommending that the American Committee, Statue of Liberty, be charged \$100 per annum, payable at the end of each quarter to the Treasurer, for the privilege of landing at the Battery wharf in accordance with the permit granted June 15, 1893. Report approved.

2d. Recommending that M. C. Dexter be charged the sum of \$5 per day, Sundays included, payable at the end of each month to the Dock Master, for the privilege of mooring a swimming-bath

at the Pier foot of West Thirty-fourth street in accordance with the permit granted June 15, 1893. Report approved.

3d. Recommending that no charge be made the Audubon Yacht Club for space occupied them foot of One Hundred and Fifty-third street, North river, as their boat-house is located on private property.

On motion, the resolution of June 8, 1893, was revoked.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending June 21, 1893, amounting to \$6,005.75, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	Dr. Debit
1893.					18
June 14	Spearin & Preston .....	Plans for crib bhd. Riker's Island.....	\$5 00		
" 15	John A. Bouker.....	1 qrs. rent Pier at 46th st., N. R.....	750 00		
" 15	" .....	" N. 1/2 outer end Pier ft. Little W. 12th st., N. R..	525 00		
" 15	" .....	" bhd. ft. E. 73d st., with dumping board.....	200 00		
" 16	N. Y. Horse Manure Co.....	" Pier at 45th st., N. R.....	875 00		
" 16	N. Y., N. H. & H. R. R. Co.	" l. u. w., pfm. S. Pier 50, E. R.	1,000 00		
" 20	George A. Woods.....	Wharfage, District No. 2, N. R.....	\$538 78	\$3,355 00	Jun
" 20	Edward Abeel.....	" 4, " ....	433 03		
" 20	B. F. Kenney.....	" 6, " ....	325 63		
" 20	William B. Osborne.....	" 8, " ...	63 95		
" 20	James J. Fleming.....	" 10, " ....	227 26		
" 20	Thomas P. Walsh.....	" 12, " ....	33 53		
" 20	Henry A. Palmstine.....	" 1, E. R.....	193 34		
" 20	Charles S. Coye.....	" 3, " ....	404 91		
" 20	James A. Monaghan.....	" 5, " ....	208 45		
" 20	Joseph F. Meehan.....	" 7, " ....	43 72		
" 20	Maurice Stack.....	" 9, " ....	69 20		
" 20	James W. Carson.....	" 11, " ....	53 76		
" 20	John J. Martin.....	" 13, " ....	51 69		
" 20	George A. Woods.....	Storage of trucks.....	3 50		
				2,650 75	Ju
			\$6,005 75	\$6,005 75	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty-four bills or claims, amounting to \$43,930.62, which were approved and audited and ordered to be spread in full on the minutes, as follows:

*Construction Account.*

Bill No.	Name.	Amount.
1331.	John Peirce, Estimate No. 5 and final Contract No. 414. ....	\$15,968 05
1332.	Charles N. Kimpland, piles. ....	4,849 50
1333.	H. B. Sheridan, rip-rap. ....	2,415 02
1334.	Brown & Fleming, cobble-stone. ....	1,800 00
1335.	Hudson River Stone Supply Company, broken stone. ....	810 00
1336.	Graves & Steers, piles. ....	645 00
1337.	John A. Bouker, rip-rap. ....	355 32
1338.	C. F. Harris, agent, towing. ....	627 50
1339.	Alexander Pollock, zinc, etc. ....	73 96
1340.	Rand Drill Company, supplies for drill. ....	47 94
1341.	Fiske Brothers, oil. ....	73 93
1342.	John F. Walsh, Jr., pike poles. ....	44 75
1343.	M. F. O'Crowley, smoke-stack. ....	15 00
		\$27,725 97

*General Repairs Account.*

1344.	Charles N. Kimpland, piles. ....	\$553 00
1345.	H. A. Rogers, wheels. ....	21 00
1346.	Zindars & Hunt, bells, etc. ....	54 00
1347.	Morris & Cumings Dredging Company, Estimate No. 2 and final Contract No. 443. ....	4,951 56
		5,579 56

*Construction Account.*

1348.	Morris & Cumings Dredging Company, Estimate No. 1 and final Contract No. 439. ....	\$5,894 00
1349.	Robinson & Booth, yellow pine. ....	665 15
1350.	William D. Wheelwright & Co., yellow pine. ....	1,100 44
1351.	Morris & Cumings Dredging Company, dredging. ....	2,500 00
		10,159 59

*General Repairs Account.*

1352.	Michael Hart, services horse, cart, etc. ....	\$106 75
1353.	James Hogan, services horse, cart, etc. ....	148 75
1354.	Thomas Kelly, services horse, cart, etc. ....	210 00
		465 50
		\$43,930 62

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.



The following requisitions were passed :

Register No.	For What.	Estimated Cost
13322.	Upright boiler.....	\$485 00
13323.	Hoisting engine.....	400 00
13324.	Galvanized guy-rope.....	89 00
13325.	Cast-iron washers.....	114 12
13326.	Machine bolts, etc.....	112 00
13327.	Yellow pine piles.....each	6 45
13328.	Galvanized iron-wire rope.....	66 00
13329.	Rubber boots.....	105 12
13330.	Gelatine and forcite powder.....	355 00
13331.	Yellow pine plank.....	576 00
13332.	“.....	900 00
Requisition No.		
608.	Stationery, etc.....	

The Treasurer reported that he had recieved estimates for furnishing the Department with 750 piles, as follows :

750 White, Yellow Norway Pine or Cypress Piles, from 50 Feet to 55 Feet Long.

	14 INCHES DIAMETER.	16 INCHES DIAMETER.	17 INCHES DIAMETER.
A. J. Murray.....	\$14 75 each.	\$18 00 each.	\$19 50 each.
C. N. Kimbrell.....	15 00 “	18 00 “	19 00 “
E. Mors & Co.....	14 80 “	18 60 “	19 70 “
Graves & Steers.....	15 00 “	17 75 “	19 45 “
W. H. Beard.....	15 25 “	18 25 “	19 50 “

The action of the Treasurer in awarding the order to Alfred J. Murray, he being the lowest bidder, approved.

From the Engineer in-Chief:

- 1st. Report for the week ending June 17, 1893.
- 2d. Reporting the completion of Contracts Nos. 439 and 443.
- 3d. Reporting that the bulkhead between West Fifty-fifth and Fifty-sixth streets can be used for berthing vessels. Notify the Dock Master.
- 4th. Reporting repairs required to Pier 61, East river. The Engineer-in-Chief directed to repair.
- 5th. Submitting specifications and form of contract for furnishing granite stones for bulkhead or river wall. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

6th. Recommending that the owners and lessees of the platform south of Pier, old 54, North river, be directed to dredge in front of said platform in conjunction with the dredging to be done by the Department. Recommendation adopted.

7th. Reporting the throwing of timber into the river from Pier, new 57, North river. Notify the Terminal Warehouse Company to appear before the Board, Thursday, June 29, 1893, at 11 o'clock A. M., and show cause why a penalty should not be imposed upon them for a violation of the rules and regulations of this Department.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12845. Repairs to Pier 61, East river.

No. 12948. Repairs to Pier, new 32, East river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 10666. Placing of float-bridge between Piers, new 67 and 68, North river.

No. 12366. Driving piles at Railroad Bridge, Spuyten Duyvil Creek.

No. 12705. Repairs to Pier, new 61, North river.

No. 12706. Repairs to Pier, new 62, North river.

No. 12707. Repairs to Pier, new 63, North river.

No. 12772. Dredging between Piers 39 and 40, East river.

No. 12878. Repairs to shed on Pier, new 54, North river.

No. 12890. Removal of street cleaning material between Fifty-fifth and Fifty-sixth streets, North river.

No. 12919. Laying of pavement at Pier foot of West Twenty-second street.

No. 12938. Repairs to bulkhead between Thirty-eighth and Thirty-ninth streets, North river.

No. 12951. Repairs to Pier 20, East river.

No. 12957. Placing of braces on backing-log of Pier at West Fiftieth street.

No. 12960. Placing of a swimming-bath at Pier foot of West Thirty-fourth street.

The Engineer-in-Chief returned Secretary's Orders Nos. 12900 and 12923.

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the week ending June 16, 1893, amounting to \$13,019.31, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the following resolution was adopted :

Resolved, That the contract opened June 20, 1893, for preparing for and building a crib-bulkhead on the westerly side of Riker's Island, in the East river or Long Island Sound, be and hereby awarded to Colin McLean, he being the lowest bidder, upon the approval of the sureties by the comptroller.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the extension of Pier, new 43, North river, to the pier-head line of 1890, and that all the work hereby ordered performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all the materials, tools and dredging necessary for the above-mentioned work not heretofore contracted for, or which may hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, Commissioners Phelan and White were authorized to make arrangements for filling-in at Canal Street Section.

On motion, the Department of Street Cleaning were notified that it will be necessary temporarily close the dump at Canal street, to enable the contractors to complete Pier 42, North river.

On motion, the Engineer-in-Chief was directed to remove the wharf at Castle Garden except much as may be required for a berth for the fire-boat "New Yorker."

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The following communications were received, read, and

On motion, ordered to be placed on file :

From the New York City Civil Service Boards—Reporting that William S. White, Transitman, is eligible for promotion to the position of Assistant Engineer.

On motion, the following resolution was adopted :

Resolved, That William S. White, Transitman, who has been certified to by the Civil Service Boards as eligible for such position, be and hereby is appointed Assistant Engineer, on probation with compensation at the rate of one hundred and fifty dollars per month, to take effect July 1893.

From Winfield S. Lasher, tendering his resignation as Assistant Engineer. Resignation accepted to take effect June 30, 1893.

From the Engineer-in-Chief :

1st. Reporting that William Williams, Laborer, is unassigned to duty for having been absent three successive days without being excused.

On motion, said Williams was ordered to be restored to duty.

2d. Recommending that his action in directing that Laborer Anthony Brown be not again assigned to duty as Acting Watchman be approved.

On motion, said Brown was suspended for ten days.

3d. Recommending the discharge of Laborer, Acting Watchman, Dennis O'Brien.

On motion, said O'Brien was directed not to be assigned to duty as Acting Watchman for fifteen days.

On motion, James Kane, Deckhand, was discharged.

On motion, the compensation of Thomas Barry, Laborer, Acting Watchman, was fixed at the rate of twenty-three cents per hour.

James Leavy, Laborer, was promoted to Scowman.

On motion, the following resolutions were adopted :

Resolved, That Francis E. Moon, Collector, be and hereby is discharged from the service of this Department, to take effect June 30, 1893.

Resolved, That Martin J. McInerny, be and is hereby appointed Collector, with salary at the rate of \$1,500 per annum, to take effect July 1, 1893, or as soon thereafter as he shall file his official bond in the penal sum of \$3,000, with sureties to be approved by the Comptroller of the City of New York, as provided by article 13, section 1 of the by-laws.

The following-named persons were appointed :

*Laborers.*

Michael McCready.

Maurice Healy.

John Meyer.

Thomas Murphy.

William Dunphy.

Louis Coffey.

*Dock Builders.*

Patrick Daly.

John Rutledge.

William Mansfield.

P. O'Connell.

James Leary.

John C. Denham.

Michael McNeary.

*Deck-hand.*

Owen Minna.

*Foreman Laborer.*

Thomas A. Flynn.

*Rigger.*

John McBride.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, June 29, 1893, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner Phelan.

“ “ White.

The minutes of the meetings held June 20 and 22, 1893, were read and approved.

A committee of Wholesale Oyster Dealers appeared respecting the dredging ordered in front of the platform south of Pier, old 54, North river.

On motion, the order of June 22 was revoked.

A committee of the West End Association appeared respecting the removal of the dump from West Seventy-ninth street. Referred to the Department of Street Cleaning.

A representative of the American Transport Line appeared and made an explanation respecting the dumping of refuse at Pier, new 57, North river, reported June 22, 1893.

The application of Henry Trowbridge, agent for owners, for permission to build a crib-retaining-wall between One Hundred and Sixteenth and One Hundred and Seventeenth streets, East river, was referred to the Engineer-in-Chief.

The communication from James Baird, requesting an extension of time for the completion of Contract No. 398, was referred to the Engineer-in-Chief to examine and report Thursday, July 6, 1893.

The communication from D. Brinkman, complaining of an over-charge of wharfage at East Seventy-fifth street, was referred to the Treasurer.

The following permits were granted on the usual terms :

New York Mutual Gas-light Company—To repair the leak in the gas main at the entrance to Pier, new 38, North river.

Consolidated Gas Company—To lay a service pipe at Pier, new 58, North river.

The following permits were granted, to continue only during the pleasure of the Board :

Colin McLean—To erect buildings on Riker's Island and to use the dock thereat.

Harlem Rowing Club—For a boat-house foot of Lexington avenue, Harlem river. Compensation to be fixed by the Treasurer.

John Wagner—For a boat-house between One Hundred and Sixty-eighth and One Hundred and Sixty-ninth streets, North river. Compensation to be fixed by the Treasurer.

**Solomon Mehrbach**—To use and occupy 100 feet of bulkhead between the northerly line of Ninety-sixth street and the centre line of the block between Ninety-sixth and Ninety-seventh streets, East river. Compensation to be fixed by Commissioners Phelan and White.

**Joseph Friend**—To land the steamer "Etta Moore" at the Battery wharf. Compensation to be paid at the rate of \$2.50 per day for the first week and \$5 per day thereafter.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

**Henry Trowbridge, agent**--To repair the Pier between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river.

**Hoboken Ferry Company**—To repair their ferry-racks at Barclay, Christopher and Fourteenth streets, North river.

**New York, New Haven and Hartford Railroad Company**—To place a hand-pillar crane, with steel and timber foundation, within the lines of Pier 52, East river, to remain thereat only during the pleasure of the Board.

The following communications were received, read and,

On motion, ordered to be placed on file :

**From the Finance Department**—Approving sureties on Contracts Nos. 447 and 450.

**From the Counsel to the Corporation**—Respecting the proceedings to acquire the property between Thirty-third and Thirty-fourth streets, North river.

**From the Department of Street Cleaning**—Respecting the temporary closing of the dump at Canal street, North river.

**From the West Shore and Ontario Terminal Company**—Submitting demand for payment for bulkhead and riparian rights between Jay and Harrison streets, North river, purchased August 10, 1891. Send copy to the Counsel to the Corporation.

**From Captain J. B. Moore**—Respecting the complaint of the Atlas Steamship Company of a coal-barge anchored off Pier, new 59, North river.

**From the Pacific Mail Steamship Company**—Requesting permission to sublet a portion of Pier, new 34, North river, to the Panama Railroad Company.

On motion, the following resolution was adopted :

Resolved, That license and consent be and hereby is granted to the Pacific Mail Steamship Company, lessees of Pier, new 34, North river, to sublet to the Panama Railroad Company so much of the wharfage granted by a certain lease, dated May 29, 1889, as may accrue at the south end of said pier, provided that the said lessees, the Pacific Mail Steamship Company and the sureties to said lease shall execute and file an agreement in writing with this Board that their obli-

gations under the provisions thereof shall not in any manner be affected or impaired by reason of such license and consent to the said subletting.

From Dock Master Martin—Reporting repairs required to the Pier at One Hundred and Thirty-first street, North river. The Engineer-in-Chief directed to repair.

From Dock Master Kenney—Reporting no berth available at the New West Washington Market for the steamer “Ripple” before October 1.

From Dock Master Meehan—Reporting the wreck of the canal-boat “T. Rankin,” foot of Twelfth street, East river. Owner notified to remove.

From the Treasurer :

1st. Recommending that the compensation to be charged Peter Conroy for the float and crib at One Hundred and Thirty-ninth street, North river, be fixed at the rate of \$50 per annum, payable at the end of each month to the Dock Master. Report approved.

2d. Recommending that the compensation to be paid by James J. Herbert for the use of the bulkhead foot of East One Hundred and Fourth street be fixed at the rate of \$500 per annum, payable at the end of each quarter to the Treasurer. Report approved.

From Commissioners White and Phelan—Reporting favorably as to the application of the Old Colony Steamboat Company, of June 1, 1893, for a lease of the bulkhead between Murray and Warren streets, North river, and submitting a communication from Leander N. Lovell, on behalf of said company, agreeing to accept the same.

On motion, the following resolution was adopted :

Resolved, That, by virtue of the power and authority vested in this Board and in pursuance of the statutes in such cases made and provided, this Department hereby agrees to lease, grant and to farm let to the Old Colony Steamboat Company all and singular the wharfage which may arise, accrue or become due in the manner and at the rates prescribed by law for the use and occupation of the bulkhead to be built between Piers, old 28 and new 19, North river, for the period of ten years from the date of the completion of the bulkhead-wall, for the sum of seven thousand five hundred dollars (\$7,500) per annum, payable quarterly in advance to the Treasurer of this Department during the continuance of the lease. The said lessee shall have the privilege of two renewals of ten years each; the annual rental for the first renewal term of ten years to be seven thousand eight hundred and seventy-five dollars (\$7,875) per annum and the annual rental for the second renewal term of ten years to be eight thousand two hundred and sixty-eight dollars and seventy-five cents (\$8,268.75), the rental for the renewal terms to be paid quarterly in advance as above. The said lease, or any renewals thereof, shall contain the usual terms and conditions as at present embodied in the lease of wharf property now used by this Department, provided, however, that this resolution shall not be binding or of any force or effect unless the said lessees shall, within twenty days after receipt hereof, accept in writing the terms and conditions contained herein and agree to execute a lease when prepared and ready for execution.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending June 28, 1893, amounting to \$14,810.68, which was received and ordered to be spread on the books, as follows :

NO.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
23	Commissioners of Emigration.	Services of tug "Manhattan" .....	\$847 14		1893.
24	Prov. & Ston. Steamship Co..	1 qrs. rent, Pier, new 36, N. R. ....	7,625		
25	G. D. Curtis .....	" l. u. w. N. side side 56th st., E. R. ....	6,250 00		
				\$8,534 64	June 23
23	Consolidated Gas Co. ....	Opening pavement Pier, new 42, N. R.	\$35 33		
26	John A. McCarthy .....	1 qrs. rent, undivided 9th part Pier, old 42, E. R. ....	12 50		
26	" .....	" Pier 50 and bhd. north. E. R. ....	375 00		
27	Baltimore & Ohio R. R. Co. ....	" l. u. w. pfm. E. and W. Pier 27, E. R. ....	268 75		
27	" .....	" Pier at E. 37th st., E. R. ....	250 00		
27	" .....	" Pier at W. 17th st., N. R. ....	1,125 00		
27	Brown & Fleming .....	" bhd. foot of 49th st., E. R. ....	131 25		
27	George A. Woods .....	Wharfage, District No. 2, N. R. ....	127 76		
27	Edward Abeel .....	" 4, " .....	154 91		
27	B. F. Kenney .....	" 6, " .....	313 62		
27	William B. Osborne .....	" 8, " .....	79 26		
27	James J. Fleming .....	" 10, " .....	191 06		
27	Thomas P. Walsh .....	" 12, " .....	34 74		
27	Henry A. Palmstine. ....	" 1, E. R. ....	141 05		
27	Charles S. Coye .....	" 3, " .....	154 02		
27	James A. Monaghan .....	" 5, " .....	167 77		
27	Joseph F. Meehan .....	" 7, " .....	48 26		
27	Maurice Stack .....	" 9, " .....	61 04		
27	James W. Carson .....	" 11, " .....	43 83		
27	John J. Martin .....	" 13, " .....	60 89		
27	McManus & Quinn .....	Filling in at 99th st., E. R. ....	2,500 00		
				6,276 04	June 27
			\$14,810 68	\$14,810 68	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

708808



The Auditing Committee presented an audit of eleven bills or claims, amounting to \$1,037.1 which were approved and audited and ordered to be spread in full on the minutes as follows :

*Construction Account.*

Audit No.	Name.	Amount.	
13355.	New York News Publishing Company, advertising.....	\$176 40	
13356.	New Yorker Zeitung, advertising.....	37 80	
13357.	The Sun, advertising.....	85 20	
13358.	New York News Publishing Company, advertising....	134 70	
13359.	New Yorker Zeiting, advertising.....	33 00	
13360.	The Sun, advertising.....	72 00	
		<hr/>	\$539

*General Repairs Account.*

13361.	New York News Publishing Company, advertising.....	\$237 85	
13362.	New Yorker Zeitung, advertising.....	39 00	
13363.	The Sun, advertising.....	81 60	
		<hr/>	358

*Annual Expense Account.*

13364.	The Sun, advertising.....	\$60 40	
13365.	The New York News Publishing Company, advertising.....	79 20	
		<hr/>	139
			<hr/>
			\$1,037

Respectfully submitted,

JAMES J. PHELAN, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The Treasurer reported that he had received estimates for furnishing the Department with egg coal, white oak piles, cobble and rip-rap stone, as follows :

*About 225 Gross Tons Egg Coal on Tugs or Scows.*

David Duncan & Son.....	\$3 98 per gross ton
Stokes & Thedford.....	4 25 "
Meeker & Co.....	4 09 "
George W. Winant & Son.....	4 80 "
William Horre & Co.....	4 50 "
	<hr/>

*16 Sound and Straight White Oak Piles, from 60 to 65 feet long.*

Alfred J. Murray.....	\$0 23 per linear foot
John I. Goodrich....	17 50 each.
Graves & Steers.....	25 per linear foot
	<hr/>

*About 2,000 Cubic Yards each of Cobble and Rip-Rap Stone.*

	COBBLE.	RIP-RAP.
Contracting Co.....	\$ 75	\$ 30
Fleming.....	75	35
J. Howell.....	80	45

the action of the Treasurer in awarding the orders to David Duncan & Son, Alfred J. Murray Bouker Contracting Company, they being the lowest bidders, approved.

the following requisitions were passed :

No.	For What.	Estimated Cost.
	Egg coal.....	\$875 00
	Tin tubes.....	25 00
	White oak piles.....	288 00
	Piles.....	8,001 00
	Portland cement..... per barrel	2 15
	Kerosene oil.....	15 00
	Cobble and rip-rap stone... per cubic yard }	80 60
	Spruce..... per M	21 00
	Stationery, etc.....	339 23
	Granite.....	1,152 80
	Veigh Master's beam.....	45 00
	Brooms, oakum, etc.....	425 00
	Lag-screws, etc.....	76 00
	Canvas covers.....	135 00
	Coal tubs, etc.....	272 00
	White oak.....	3,840 10
	Lead oil.....	47 50
	Globe-valves, etc.....	64 00
	Dredging.....	2,500 00
	Dugers, etc.....	62 00
	Transit, etc.....	450 00
	Artesian well material.....	13 50
	Portland cement..... per barrel	2 15

Register No.	For What.	Estimated
13356.	Portland cement.....per barrel	\$2
13357.	Sprinkling new-made land.....	196
13358.	Yellow pine .....per M	18

From the Engineer-in-Chief :

1st. Report for the week ending June 24, 1893 :

2d. Submitting a map showing the recent filling-in in the vicinity of Leggett's creek by the East Bay Land and Improvement Company upon city property. Send copy of report and map to the Counsel to the Corporation.

3d. Reporting repairs required to Pier 4, East river. Owners and lessees directed to repair.

4th. Reporting repairs required to the Pier at West One Hundred and Thirty-first street; bulkheads between One Hundred and Thirty-first and One Hundred and Thirty-second streets, and One Hundred and Thirty-second and One Hundred and Thirty-third streets, North river. The Engineer-in-Chief directed to repair.

5th. Report on Secretary's Order No. 12974, as to the repairs and cleaning required at the bulkheads foot of One Hundred and Sixth and One Hundred and Seventh streets, Harlem river. The Engineer-in-Chief directed to do said work.

6th. Report on Secretary's Order No. 12892, submitting the cost of taking up and relaying the pavement in front of Pier, new 22, North river. Treasurer authorized to collect from the Consolidated Gas Company.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending June 23, 1893, amounting to \$12,446.14, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary reported that the old material sold June 26, pursuant to the resolution adopted June 8, 1893, realized the sum of \$377.55.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a pier at the foot of Stanton street, East river, in accordance with the new plan for that section of the water front as recommended by the Department of Docks on the 13th day of October, 1887, and approved by the Commissioners of the Sinking Fund on the 19th day of December, 1887, and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all the materials, tools and dredging necessary therefor and not heretofore contracted

for and which may not hereafter be contracted for be purchased by the Treasurer otherwise than by contract.

On motion, the following preamble and resolution were adopted :

Whereas, A large number of plans for proposed improvements and contracts and agreements for proposed purchases of water-rights on the North and East rivers have been sent to the Board of Sinking Fund Commissioners for their approval, in which no action has been heretofore taken ;

Resolved, That the Board of Docks respectfully ask the Commissioners of the Sinking Fund to take action at their earliest convenience on all Dock Department plans or purchases by either approving or rejecting them; that, in the event of the plans being rejected, other plans may be submitted for them, and that, in the event of the purchases not being approved, the owners of the property affected may be required by the Department of Docks to keep said property in proper repair.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The communication from the Engineer-in-Chief, recommending the discharge of Laborers Francis J. Morgan, James Lane and John Ward, and Deckhand Owen Minna, was approved and recommendation adopted.

On motion, the compensation of Frank M. Donohoe, Michael A. Holohan and James B.avanagh was fixed at \$15 per week.

The following persons were discharged :

*Laborers.*

James Wall.	George McNamara.	Patrick H. Clark.
Joseph H. Walsh.	.	

*Dock Builders.*

John Donovan.	John Desmond.	Patrick Morrissey.
Charles Norbeck.	Ralph Waldt.	Peter Howard.
James Bellew.	Thomas Curry.	Charles Manson.
Patrick F. Sullivan.	John Connor.	John Fitzgerald.
Thomas J. Cahill.	George Armstrong.	John Howland.
John Ford.	Edward Dougherty.	Patrick F. Ryan.
Thomas Golden.	William Henry.	

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The following persons were appointed :

*Laborers.*

John Montgomery.  
Patrick J. Kerwin.

Patrick Mee.  
Max Silverberg.

John Joy.

*Dock Builders.*

William Mulhall.  
William Ahearn.  
James Murray.

William Nevins.  
Frank Mooney.

Frank Getrill.  
William Forbes.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A." Battery place, Thursday, July 6, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The Board met for the purpose of receiving estimates for preparing for and paving the newly-made land for a width of fifty feet, extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite or Staten Island syenite blocks ; for laying crosswalks and building the necessary drains or sewers under Contract No. 451 ; for preparing for and building an iron awning shed on the Pier at the foot of East Thirty-third street under Contract No. 453 ; and for removing the existing pier and for preparing for and building a new wooden pier at the foot of West Fifteenth street under Contract No. 454, a representative of the Comptroller being present.

Two estimates were received under Contract No. 451—

1. From Thomas P. McQuade, with security deposit \$120.....	\$7,500 00
2. From John Cox, " 120.....	5,355 14

Two estimates were received under Contract No. 453—

1. From John H. Staats, with security deposit \$60.....	\$2,845 00
2. From John Cox, " 60.....	3,499 56

Five estimates were received under Contract No. 454—

1. From John W. Flaherty, with security deposit \$500.....	\$21,765 00
2. From William H. Jenks, " 500.....	22,422 00
3. From John H. Staats, " 500.....	21,785 00
4. From J. P. Carson, " 500.....	31,520 00
5. From Spearin & Preston, " 500.....	22,350 00

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolutions were adopted :

Resolved, That the contract opened this day for preparing for and paving the newly-made land for a width of fifty feet extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite or Staten Island syenite blocks, for laying crosswalks and building the necessary drains or sewers, be and hereby is awarded to John Cox, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for removing the existing pier and for preparing for and building a new wooden pier at the foot of West Fifteenth street, be and hereby is awarded to

John W. Flaherty, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

The Board decided to reject the bids for Contract No. 453.

The minutes of the meeting held June 29, 1893, were read and approved.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Homer Ramsdell Transportation Company—To drive piles at Pier, new 24, North river.

Ridgewood Ice Company—To drive piles at the bulkhead between Seventy-eighth and Seventy-ninth streets, East river.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

J. D. & T. E. Crimmins—To erect a fence around their property at Twelfth avenue, between Ninety-sixth and Ninety-seventh streets.

William G. Horgan—To erect a derrick on the bulkhead between Sixtieth and Sixty first streets, East river. Compensation to be fixed by the Treasurer.

Henry Trowbridge, agent—To build a crib retaining-wall between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river ; the work to be kept within existing lines.

Walter E. Scott—To erect an ice bridge on the Pier foot of East Nineteenth street.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation—Approving form of Contracts Nos. 451, 453 and 454.

From the Department of Street Cleaning :

1st. Refusing to change the dump from the foot of West Seventy-ninth street.

2d. Respecting the placing of a temporary dumping-board on the south side of the Pier foot of Canal street, North river.

From the Fire Department—Requesting the setting apart of a berth on the north side of the Pier foot of East Third street, for the fire-boat "William F. Havemeyer."

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the Fire Department of the City of New York, to use for the berthing of the fire-boat "William F. Havemeyer," the outer one hundred and five feet on the north side of the Pier foot of East Third street, and to place and locate on said pier a structure about six feet square for the use of the necessary telegraph apparatus to connect said boat with the fire-alarm system, to be placed thereat under the direction of the Engineer-in-Chief of this Department ; the permission hereby granted and the maintenance of the structure on said pier to continue during the pleasure of the Board.

From the Pennsylvania Railroad Company—Requesting a lease of the bulkhead between Piers, new 28 and 29, North river.

From Albert Horatio Gallatin and others, by E. A. Cruikshank, attorney—Requesting the removal of the free swimming-bath from the Pier foot of East Ninety-fourth street. Notify said parties that the bath cannot be removed until the season is over.

From Thomas Smith, assignee—Requesting an extension of time for the completion of Contract No. 444.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the work of preparing for and laying pavement on the bulkheads, etc., between West One Hundred and Thirty-first and West One Hundred and Thirty-third streets, North river, under Contract No. 444, Thomas Smith, contractor, be and hereby is extended to July 10, 1893.

From Henry S. Lanpher—Requesting an extension of time for the completion of Contract No. 436.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the deliveries of granite stones for bulkhead or river-wall under Contract No. 436, Henry S. Lanpher, contractor, be and hereby is extended to August 1, 1893, provided the written consent of the sureties to said contract be filed in this office.

From Christian Lauer—Requesting permission to assign Contract No. 447 to James M. Motley.

On motion, the following resolution was adopted :

Resolved, That license and consent be and hereby is granted to Christian Lauer, contractor, to assign to James M. Motley all sums of money which now are or may hereafter become due on Contract No. 447 for preparing for and paving the newly-made land between Dey and Barclay streets, North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers, provided the said Christian Lauer and the sureties upon said contract shall execute and file an agreement in writing with this Board that their obligations under the provisions thereof shall not in any manner be affected or impaired by reason of such license and consent to the said assignment.

From Dock Master Stack :

1st. Reporting repairs required to the bulkhead between Seventy-fifth and Seventy-sixth streets, East river. The Engineer-in-Chief directed to repair if necessary.

2d. Reporting the sinking of the canal-boat "Ida Hill" at the foot of East Eighty-sixth street. Notify the owner to remove.

From Dock Master Coye—Reporting repairs required to Pier 44 and Pier, new 32, East river. The Engineer-in-Chief directed to repair if necessary.



From the Treasurer—Recommending that the compensation to be charged the Panama Railroad Company, for the privilege of storing freight in the “Pound,” between Piers, new 58 and 59, North river, be fixed at the rate of \$5 per day, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

From Commissioners Phelan and White—Recommending that the compensation to be charged the Knickerbocker Steamboat Company for the privilege of landing at the Battery Wharf be fixed at the rate of \$15 per day for the “Grand Republic” and \$10 per day for the “General Slocum” Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending July 5, 1893, amounting to \$32,571.03, which was received and ordered to be spread in full in the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DEBIT
1893.					1893
June 28	R. P. & J. H. St. ats .....	Blue print plans for shed foot of E. 33d st., E. R.....	\$5 00		
“ 28	H. L. Herbert.....	1 qrs. rent, bhd. at 20th st., E. R. ....	125 00		
“ 29	Brown & Fleming.....	Filling in at Canal st., N. R.....	1,100 00		
“ 30	Cedar Hill Ice Co.....	1 mos. rent, bhd. S. Pier foot Little W. 12th st., N. R.....	125 00		
“ 30	Pennsylvania R. R. Co.....	1 qrs. rent, l. u. w., bhd. bet. Piers, 3 and 6, N. R.....	5,000 00		
				\$6,355 00	Jun
July 3	Pennsylvania R. R. Co.....	1 qrs. rent, Pier at 37th st., N. R.....	\$2,500 00		
“ 3	Central R. R. of N. J.....	1 mos. rent, S. ½ Pier 14 and bhd., N. R.....	1,437 50		
“ 3	N. Y. & Northern R. R. Co...	“ Pier 40, E. R.....	1,041 66		
“ 3	Long Island R. R. Co.....	1 qrs. rent, l. u. w. for pfm. bet. Piers 32 and 33, E. R.....	500 00		
“ 3	New Jersey Steamboat Co....	1 mos. rent, Pier, old 40, N. R.....	1,666 67		
“ 3	Brooklyn & N. Y. Ferry Co...	1 qrs. rent, l. u. w. for ferry structure bet. 22d and 23d sts., E. R.....	1,729 37		
“ 3	Sanderson & Son (assignees)...	1 qrs. rent, Pier, new 54, N. R.....	6,250 00		
“ 3	J. B. & J. M. Cornell.....	“ bhd. bet. Piers, new 56 and 57, N. R.....	625 00		
“ 3	Riverside & Fort Lee Ferry Co.....	“ S. side Pier at 131st st. and bhd., N. R.....	125 00		
“ 3	Riverside & Fort Lee Ferry Co.....	“ bhd. pfm. 130th st., N. R.	100 00		
“ 3	William A. Hall.....	1 mos. rent, berth for bath at Battery.	250 00		
“ 3	Quebec S. S. Co.....	“ bhd. bet. Piers, new 46 and 47, N. R.....	83 33		

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					
3	James E. Ward & Co.....	1 mos. rent, l. u. w. for pfm. bet. Piers 16 and 17, E. R .....	\$147 86		
3	Thomas Ward.....	" bhd., etc., S. 80th st., E. R.....	83 37		
5	George A. Woods.....	Wharfage, District No. 2, N. R.....	174 20		
5	Edward Abeel.....	" 4, " .....	421 64		
5	B. F. Kenney.....	" 6, " .....	187 03		
5	William B. Osborne.....	" 8, " .....	48 00		
5	James J. Fleming.....	" 10, " .....	344 92		
5	Thomas P. Walsh.....	" 12, " .....	55 26		
5	Henry A. Palmstine.....	" 1, E. R.....	126 62		
5	Charles S. Coyne.....	" 3, " .....	269 08		
5	James A. Monaghan.....	" 5, " .....	185 05		
5	Joseph F. McEgan.....	" 7, " .....	73 00		
5	Maurice Stack.....	" 9, " .....	140 79		
5	James W. Carson.....	" 11, " .....	119 72		
5	John J. Martin.....	" 13, " .....	24 96		
5	Simpson, Spence & Young....	1 qrs. rent, Pier, new 56, N. R.....	7,500 00		
				\$26,216 03	July 5
			\$32,571 03	\$32,571 03	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The following requisitions were passed :

Order No.	For What.	Estimated Cost.
9.	Drawing materials.....	\$62 47
10.	Yellow pine timber .....per M	28 00
11.	Spikes.....	517 00
12.	Naphtha launch.....	950 00
13.	Services of tugs.....per h.	5 00
14.	Services of horse, cart and driver.....per day	3 50
15.	Draper plane.....	340 00
16.	Oils.....	106 50
17.	Kerosene.....	22 00

The Treasurer reported that he had received estimates for furnishing the Department with white oak, as follows :

*About 69,820 feet B. M. of White Oak.*

John I. Goodrich.....	per M	34 90
Graves & Steers.....	"	41 50
John F. Walsh, Jr.....	"	47 45
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The action of the Treasurer in awarding the order to John I. Goodrich, he being the lowest bidder, approved.

From the Engineer-in-Chief :

- 1st. Report for the week ending July 1, 1893.
- 2d. Reporting repairs required to the bulkhead west of Pier 45, East river. Occupants notified to repair.
- 3d. Reporting the completion of the bulkhead between Ninety-seventh and Ninety-ninth streets, North river. Notify the Dock Master to collect wharfage.
- 4th. Report on Secretary's Order No. 12999 as to the application of James Baird for an extension of time to complete the deliveries of granite under Contract No. 398.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the deliveries of granite for bulkhead or river-wall under Contract No. 398, James Baird, contractor, be and hereby is extended to June 26, 1893, provided the written consent of the sureties to said contract be filed in this Department.

The Secretary reported that the pay-rolls for the month ending June 30, 1893, amounting to \$13,209.93, and the pay-rolls for the General Repairs and Construction force for the week ending June 30, 1893, amounting to \$11,587.64, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Engineer-in-Chief was directed to refasten, and, if necessary, drive new piles at the Castle Garden wharf for the use of the fire-boat.

On motion, the Engineer-in-Chief was directed to prepare an estimate for paving the approach to the public dock, east from the Madison Avenue Bridge.

On motion, the Board of Health was requested to co-operate with this Department in abating the nuisance between West Forty-second and West Forty-third streets, North river.

On motion, the following preambles and resolution were adopted :

Whereas, The New York Central and Hudson River Railroad, through the president of the company, in behalf of themselves as lessees and in behalf of their lessors, has asked the Depart-

ment to construct the sea-wall through Piers, old 26 and 27, North river, and the intervening bulkheads on each side ; and

Whereas, The Consolidation Act requires the approval of the Sinking Fund Commissioners before such work can be done by this Department ;

Resolved, That the Commissioners of the Sinking Fund be respectfully asked to approve at their next meeting of the action of the Board of Docks in agreeing to build the sea-wall in accordance with the established plan, along the bulkhead line of the above-described premises.

On motion, the following preambles and resolution were adopted :

Whereas, John H. Starin, in his own behalf, as owner in fee simple of the bulkhead running southerly from the Washington Market Section of the wall and immediately adjacent thereto, through Piers, old 18 and 19, has asked the Department to construct the sea wall at his expense along the established bulkhead line on said premises ; and

Whereas, The Consolidation Act requires the approval of the Sinking Fund Commissioners before such work can be done by this Department ;

Resolved, That the Commissioners of the Sinking Fund be respectfully asked to approve, at their next meeting, of the action of the Board of Docks in agreeing to build the sea wall in accordance with the established plan, along the bulkhead line of the above described premises, at the expense of the said John H. Starin.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of deliveries of sawed yellow pine timber under Contract No. 428, Theodore F. Booth, contractor, be and hereby is extended to July 3, 1893.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The report of the Engineer-in-Chief as to the assault upon Roundsman Patrick H. McCullough, June 29, 1893, by Laborer, Acting Watchman, Thomas McDonnell, was approved and the said McDonnell discharged.

On motion, the compensation of Richard McCullough, Laborer, was fixed at \$15 per week.

The following persons were appointed :

*Laborers.*

Patrick Healy.

James Reid.

Charles H. Paulsen.

Timothy Sheehan.

Matthew Foley.

William E. Conway.

Joseph Malloy.

John Conners.

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*Dock Builders.*

Thomas Morgan.

Thomas Hickey.

Timothy O'Sullivan.

William Lane.

Daniel Currey.

James J. Thorpe.

*Deckhand.*

John J. Travers.

On motion, the minutes of the executive meeting of June 29, 1893, were amended so as to include the following resolution :

Resolved, That the compensation of David F. McCarthy, Superintendent of Repairs, be and hereby is fixed at the rate of thirty-five hundred (3,500) dollars per annum, to take effect July 1, 1893.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday July 13, 1893, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner White.

Absent— “ Phelan.

The minutes of the meeting held the 6th inst. were read and approved.

The following permits were granted ; the work to be done under the supervision of the Engineer-in-Chief :

Metropolitan Steamship Company—To drive piles at Pier 11, North river.

New York Central and Hudson River Railroad Company—To dredge at the Pier foot of West Thirty-sixth street.

The following permits were granted, to continue only during the pleasure of the Board :

James Stephens & Son—To erect an elevator about seventy-five feet south of One Hundred and Thirty-eighth street and Mott Haven Canal, under the supervision of the Engineer-in-Chief.

Hamburgh American Packet Company—To deliver supplementary mails at the bulkhead, between Pier "A" and Pier, new 1, North river.

The following communications were received, read and,

On motion, ordered to be placed on file :

From his Honor the Mayor—Respecting the necessity for maintaining the present sanitary condition of the City.

On motion, the Secretary was directed to notify the Dock Masters to report any nuisances which may exist in their districts.

From the Finance Department :

1st. Approving sureties on Contract No. 454.

2d. In reference to the substitution of sureties on Contracts Nos. 448 and 451.

On motion, the following resolutions were adopted :

Resolved, That permission be and hereby is granted to the substitution of Isaac Eppinger as surety in place of J. O. Bliss, on estimate of William D. Wheelwright and Charles R. Hewitt, for furnishing sawed yellow pine timber, under Contract No. 448.

Resolved, That permission be and hereby is granted to the substitution of Antonio Rasines as surety in place of James M. Motley, on estimate of John Cox, for preparing for and paving the newly made land for a width of fifty feet, extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite or Staten Island syenite blocks, for laying crosswalks and building the necessary drains or sewers under Contract No. 451.

From the Counsel to the Corporation—Approving form of Contract No. 452.

From the Health Department—Requesting a diagram showing the premises complained of on the 6 inst., between Forty-second and Forty-third streets, North river. The Secretary directed to furnish same.

From the Commissioners of Accounts—Stating that they intend making an examination of the books and accounts of the Department.

From Thomas J. Dunn—Requesting permission to dump about 1,000 cubic yards of earth at the foot of West Ninety-sixth street.

From Christian Lauer, contractor, and sureties on Contract No. 447—Accepting the terms of the resolution adopted July 6, 1893, assigning the moneys due on said contract to James M. Motley.

From Henry S. Lanpher—Inclosing the written consent of the sureties to the extension of time for the completion of Contract No. 436.

From James Flanagan—Requesting permission to fill in between One Hundred and Thirty-first and One Hundred and Thirty-third streets, North river. Application denied.

From Charles T. Mallory—Requesting permission to land the steamboat "Canonicus" at the Battery Wharf. Application denied.

From the Panama Railroad Company—Stating that they do not intend to avail themselves of the permit granted July 6, 1893, to store freight in the "pound" between Piers, new 58 and 59, North river. Permit revoked.

From James Parks—Agreeing to pay a rental of \$5,000 per annum for a five years' lease of the Pier foot of West Forty-eighth street.

(On motion, the following resolution was adopted :

Resolved, That by virtue of the power and authority vested in this Board and in pursuance of the statutes in such cases made and provided, this Department hereby agrees to lease, assign and to farm-let to James Parks, all the wharfage which may arise, accrue or become due in the manner and at the rates prescribed by law, for the use and occupation of the Pier at West Forty-eighth street, for a period of five years, from the first day of August, 1893, for the sum of five thousand dollars per annum, payable quarterly in advance to the Treasurer of this Department, provided that the said James Parks shall agree within twenty days from receipt hereof to execute a lease containing the covenants and condions at present embodied in the leases of wharf property now used by this Department.

From Henry Trowbridge, agent for owner—Requesting a modification of the permit granted on the 6th instant, so as to allow the building of a crib retaining-wall about seven feet easterly from the present old bulkhead at the north side of the Pier between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river, and twenty-five feet easterly from the old

bulkhead at the south side of said pier. Application granted, the work to be done under the supervision of the Engineer-in-Chief, and the said structure to remain thereat only during the pleasure of the Board.

From Dock Master Woods—Recommending the removal of the backing-logs on the new-made pier in front of Pier, new 23, North river. The Engineer-in-Chief directed to remove.

From Dock Master Abeel—Reporting repairs required to the bulkhead between West Tenth street and Pier, new 47, North river. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Walsh—Reporting the dropping of a boulder overboard at the bulkhead between Eighty-first and Eighty-second streets, North river, by the scow "Jerry" belonging to Brown & Fleming.

The following report of receipts for the week ending July 12, 1893, amounting to \$79,643.73, was received from the Treasurer and ordered to be spread in full on the minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
July 5, 1893.	Oceanic Steam Navigation Co.	1 qrs. rent Pier, new 38, and bhd., N. R. ....	\$10,000 00		1893.
" 5	"	" Piers, new 44 and 45, and bhd., N. R. ....	16,225 94		
" 5	Southern Pacific Co. ....	" Pier, new 37, N. R., and bhd. ....	13,750 00		
" 5	Morgan's La. & Tex. R. R. & S. S. Co. ....	" Pier, new 25, N. R. ....	8,347 03		
" 6	Pennsylvania R. R. Co. ....	Repairs to Pier foot of 13th st., N. R.	146 68		
" 7	James Shewan Sons. ....	1 mos. rent dry dock foot of Stanton st., E. R. ....	208 33		
" 7	Van Tasseil & Kearney. ....	Sale of old material. ....	377 55		
" 5	John W. Flaherty. ....	Blue print plans Pier foot of 15th st., N. R. ....	5 00		
				\$49,060 53	July 7
" 7	L. E. Muller. ....	1 mos. rent bhd. S. Pier, new 39, N. R.	\$125 00		
" 11	N. Y., L. E. & W. R. R. Co. ....	1 qrs. rent Piers, new 20 and 21, and bhd. north of Pier, old 29, N. R. ....	25,000 00		
" 11	"	" l. u. w. between 22d and 23d sts., N. R. ....	427 89		
" 11	"	" W. ½ Pier 8, E. R. ....	2,500 00		
" 11	"	" l. u. w. for widening Pier 8, E. R. ....	375 00		
" 11	George A. Woods. ....	Wharfage, District No. 2, N. R. ....	546 72		
" 11	Edward Abeel. ....	" 4, " ....	130 04		
" 11	B. F. Kenney. ....	" 6, " ....	215 53		
" 11	William B. Osborne. ....	" 8, " ....	95 00		



DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893. July 11	James J. Fleming.....	Wharfage, District No. 10, N. R.....	\$175 89		1893.
" 11	Thomas P. Walsh.....	" 12, " .....	39 56		
" 11	Henry A. Palmstine.....	" 1, E. R.....	59 56		
" 11	Charles S. Coye.....	" 3, " .....	235 80		
" 11	James A. Monaghan.....	" 5, " .....	160 22		
" 11	Joseph F. Meehan .....	" 7, " .....	93 25		
" 11	Maurice Stack.....	" 9, " .....	307 45		
" 11	James W. Carson .....	" 11, " .....	47 50		
" 11	John J. Martin.....	" 13, " .....	48 09	\$30,582 50	July 11
			\$79,643 03	\$79,643 03	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of thirty-six bills or claims, amounting to \$40,927.86, which were approved and audited and ordered to be spread in full on the minutes as follows :

General Repairs Account.

Audit No.	Name.	Amount.
13366.	Charles Du Bois, Estimate No. 3 and Final Contract No. 438.....	\$3,446 50

Construction Account.

13367.	Car fares.....	\$155 98	
13368.	Incidentals.....	114 16	
			270 14

Annual Expense Account.

13369.	Car fares .....	32 56
--------	-----------------	-------

Construction Account.

13370.	Metropolitan Telephone and Telegraph Company, telephone service	\$384 30
13371.	John F. Walsh, Jr., white oak.....	505 53
13372.	Michael Moran, towing.....	247 50
13373.	Alexander Pollock, rope.....	381 07
13374.	John A. Bouker, cobble and rip-rap.....	872 58
13375.	E. Mors & Co., piles.....	2,500 00
13376.	Corn Exchange Bag Company, canvas .....	135 00
13377.	Graves & Steers, piles.....	141 90

Amfr No	Name.	Amount.
13378.	Peter Timmes' Son, spikes, etc . . . . .	\$123 82
13379.	Kurtz Bag Company, covers . . . . .	135 00
13380.	The Storage Battery Supply Company, motor . . . . .	185 00
13381.	John W. Flaherty, Estimate No. 1, Contract No. 434 . . . . .	5,701 74
13382.	John Baird, Estimate No. 3, Contract No. 398 . . . . .	12,336 00
13383.	Theodore F. Booth, Estimate No. 5 and Final Contract No. 428 . . . . .	10,037 33
13384.	Martin B. Brown, printing . . . . .	453 50
13385.	James Brand, cement . . . . .	1,067 90
13386.	John Loyd, chocks, etc . . . . .	135 85
13387.	John A. Roebling's Sons Company, galvanized rope . . . . .	64 87
13388.	Joseph Edwards & Co., bushing . . . . .	22 00
13389.	F. W. Devoe & C. T. Raynolds Company, paper, etc . . . . .	48 03
13390.	Eckford Iron Works, windlasses, etc . . . . .	142 60
13391.	Thomas Martin, awning . . . . .	13 00
13392.	Murray & Co., sand . . . . .	351 65
13393.	The Cyclostyle Company, paper, ink, etc . . . . .	28 10
13394.	J. Henry Haggerty, oil . . . . .	11 39
13395.	Rumsey & Co., galvanized pipe, etc . . . . .	13 50
13396.	Annin & Co., flags . . . . .	15 00
13397.	Thomas C. Dunham, white lead, etc . . . . .	96 75
13398.	The Fairbanks Company, beam, etc . . . . .	39 38
		<hr/> \$36,190 29

General Repairs Account.

13399.	Bell Brothers, spruce . . . . .	\$840 04
13400.	Greenlie, Wyatt & Co., armature plate, etc . . . . .	41 58
13401.	Edward McKeever, services horse, cart, etc . . . . .	106 75
		<hr/> 988 37
		<hr/> \$40,927 86

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13368.	Dredging . . . . .	\$950 00
13369.	Iron work . . . . .	2,800 00
13370.	Spruce plank . . . . .	118 50
13371.	Spruce and white pine . . . . .	200 00
13372.	Coal . . . . .	900 00

Register No.	For What.	Estima
13373.	Spikes and bolts.....	
13374.	Coal.....	
13375.	Pipe fittings.....	
13376.	Spruce.....per M	
13377.	Services of horse, cart and driver.....per day	
13378.	Second-hand iron chains.....per pound	
13379.	Cobble.....	2
13380.	Rip-rap.....	
13381.	Repairs to Ingersoll drill.....	
13382.	Repairs to Little Giant drill.....	
13383.	Grindstone complete.....	
13384.	Forcite powder, etc.....	
13385.	Augers, etc.....	
13386.	Services of horse, cart and driver.....per day	
13387.	Sand.....per cubic yard	
13388.	Screw-bolts, etc.,.....each	
13389.	Broken stone.....per cubic yard	
13390.	Cement.....	
13391.	Rope.....	
13392.	Angle iron.....	
13393.	Awnings and poles.....	

The Treasurer reported that he had received estimates for furnishing the Departm  
piles, Portland cement, wrought spike, sand, rip-rap and cobble, as follows :

*About 474 Piles, from 70 to 85 Feet Long, 15 to 17 Inches Diameter at Butt and 6 to 7 1  
Point.*

	15 INCHES, 70 TO 75 FEET.	17 INCHES. 70 TO 75 FEET.	15 INCHES. 80 TO 85 F. ET.	17 I 80 to 1
Alfred J. Murray.....	\$12 00 each.	\$13 00 each.	\$13 00 each.	\$14
William Taylor.....	16 95 "	16 95 "	16 95 "	16
Graves & Steers.....	17 50 "	19 10 "	17 65 "	19
C. N. Kimpland.....	17 50 "	19 00 "	17 50 "	19
W. H. Beard.....	18 25 "	18 25 "	18 25 "	18
E. Mors & Co.....	17 50 "	19 05 "	18 00 "	19

*1,000 Barrels Quick-setting Portland Cement.*

Baetjer & Meyerstein.....	\$1 95 pe
James Brand.....	2 15
Sinclair & Babson .....	2 06

26,000 Pounds of Wrought Spike.

Timmes' Son .....	\$517 00
nder Pollock.....	543 00
be, Wyatt & Co.....	650 00
eland Foote, agent.....	580 00
	<hr/> <hr/>

About 500 Cubic Yards of Sand.

r & Co .....	\$0 70 per cubic yard.
& Fleming. ....	90        "
r Contracting Company..	80        "
McLaughlin ...	73½       "
	<hr/> <hr/>

About 3,000 Cubic Yards of Rip-rap.

heridan.....	\$0 32 per cubic yard.
k Fleming..	40        "
Contracting Company.....	34        "
er J. Howell.....	40        "
	<hr/> <hr/>

About 3,000 Cubic Yards of Cobble.

r J. Howell.....	\$0 80 per cubic yard.
Fleming.....	90        "
ontracting Company.....	90        "
rdan.....	90        "
	<hr/> <hr/>

ction of the Treasurer in awarding the orders to Alfred J. Murray, Baetjer & Meyerstein, nes' Son, Murray & Co., H. P. Sheridan, and Alexander J. Howell, they being the lowest proved.

the Engineer-in-Chief :

eport for the week ending July 8, 1893.

submitting specifications and form of contract for furnishing sawed yellow pine timber, nite stones for bulkhead or river-wall. Approved, subject to the approval of the the Corporation as to form and the Secretary directed to advertise for estimates.

eporting repairs required to Pier 19, East river, and to the pavement south of Pier, new river. The Engineer-in-Chief directed to repair.

eporting damage to the small Pier at Riker's Island. The Engineer-in-Chief directed

eporting that the Pier and bulkhead at West Thirty-ninth street is in a dangerous con- he Engineer-in-Chief directed to fence off said premises.

6th. Recommending that the owners be directed to repair the bulkhead at the southeast corner of One Hundred and Thirty-eighth street and Mott Haven Canal. Recommendation adopted.

7th. Reporting repairs required to the sewer-box under Pier, new 24, old 29, East river. Department of Public Works requested to repair.

8th. Reporting the completion of Contract No. 444.

9th. Recommending that the fender piles at Pier "A," North river, be painted. Recommendation adopted.

10th. Report on Secretary's Order No. 12605, that it is not the intention of Messrs. Popl & Co. to erect a coal-pocket on the bulkhead foot of East Thirty-sixth street.

On motion, the permit granted February 16, 1893, revoked.

11th. Report on Secretary's Order No. 12647, that the Riverside and Fort Lee Ferry Company decline to consent to the placing of a float at One Hundred and Thirtieth street, North river.

On motion, the permit granted Garrett May, March 16, 1893, revoked.

12th. Report on Secretary's Order No. 12974, as to the dredging required at the bulkhead between One Hundred and Sixth and One Hundred and Seventh streets, East river.

On motion, the owners were directed to dredge said bulkhead in conjunction with the dredging to be done by the City at the foot of said streets.

13th. Report on Secretary's Order No. 12966, as to the dredging required at the dump foot of East Eightieth street. The Engineer-in-Chief directed to make requisition for doing said work.

The Secretary submitted a report of the tonnage of vessels berthed on the North and East rivers for the month ending June 30, as directed May 2, 1893, viz. :

NORTH RIVER.		
Foreign.....	268,790	
Domestic.....	1,345,541	
	<hr/>	1,614,331
EAST RIVER.		
Foreign.....	42,231	
Domestic.....	574,478	
	<hr/>	616,709
Total.....		<hr/> <hr/> 2,231,040

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending July 7, 1893, amounting to \$11,422.10, had been approved and audited and transmitted to the Finance Department for payment.

The President gave notice that at a meeting of the Board to be held on Thursday, July 20, 1893, he would move to amend article 1, section 2 of the By-laws, so as to read as follows :

"Section 2. A public meeting shall be held on Thursday of each week, except during the months of August and September."

James J. Duffey.  
 Thomas Dwyer.  
 William Dunphy.  
 Simeon S. Dunning.  
 Michael Dunn, No. 2.  
 Patrick Doyle.  
 James Doyle, No. 1.  
 Carl Dorfler.  
 John Doonan.  
 Thomas Dooley.  
 John Donohoe.  
 David W. Davis.

Joseph Kratky.  
 Dennis Kehoe.  
 John Keenan.  
 John Keefe.  
 Philip Lynch.  
 Robert Levy.  
 Richard Lanigan.  
 William McCormack.  
 Charles McGinniss.  
 Patrick McNulty.  
 James McCloskey.  
 Edward C. Morris.

Edward Robinson.  
 William Ryno.  
 P. J. Ryan.  
 James F. Rogers.  
 Matthew Sloan.  
 Michael Shea.  
 Henry Smith.  
 Frederick G. Smith.  
 Michael J. Skelly.  
 Patrick J. Sullivan.  
 Matthew Sheridan.  
 John White.

*Dock Builders.*

Bernard Sheridan.  
 Warren Miller.  
 Thomas Leonard.  
 William Boles.  
 Richard Cunningham.

Francis Garrity.  
 Patrick F. Gately.  
 Bernard Whelan.  
 William Warden.  
 R. H. Parsons.

William Falls.  
 Horace Blodgett.  
 Thomas Moran.  
 James Martin.  
 John Dooley.

The following-named persons were appointed :

*Laborers.*

Timothy Howard.  
 James Dunning, Jr.  
 Patrick Gibbins.  
 Owen J. Foley.

George Murphy.  
 Andrew Gallagher.  
 John H. Fagan.  
 John Casey.

William Hartnett.  
 John McAdam.  
 John Ward.  
 William Swan.

*Dock Builders.*

Thomas Kennedy.  
 Patrick Reynolds.

Joseph Howard  
 John Vaysey.

James Clark.  
 Danforth L. Allen.

*Deck Hand.*

Joseph Fletcher.

(On motion, the Board adjourned.)

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, July 20, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner White.

Absent—" Phelan.

The Board met for the purpose of receiving estimates for preparing for and paving the new-made land between Franklin street, extended, and Duane street, extended, on the North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers under Contract No. 452.

Three estimates were received, as follows :

1. From Thomas P. McQuade, with security deposit, \$750.....	\$36,500 00
2. From F. V. Smith, " 750.....	35,785 00
3. From John Cox, " 750.....	<u>38,975 00</u>

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the contract opened this day for preparing for and laying pavement on the new-made land between Franklin street, extended, and Duane street, extended, on the North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers, be and hereby is awarded to F. V. Smith, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

The minutes of the meeting held July 13, 1893, were read and approved.

Robert S. Briggs, lessee, appeared and requested the Board to extend the Pier foot of West Eighteenth street to the pier-head line of 1890.

On motion, the following resolution was adopted :

Resolved, That the Pier foot of West Eighteenth street be extended to the pier-head line of 1890, and that the additional annual rent to be charged shall be twenty-five cents per square foot per annum for the land under water covered by said addition or extension, together with eight per cent of the actual cost of doing said work ; the said rent to be payable quarterly in advance to the Treasurer of this Department, rental to begin when said extension is completed ; provided that the said Robert S. Briggs, lessee, shall signify his acceptance in writing of the terms of this resolution, within ten days after the receipt of copy hereof.

The communication from the Engineer-in-Chief, reporting the non-commencement of building a new awning shed on the Pier foot of West Thirty-fourth street, under Contract No. 437, was filed until July 27, 1893.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Department of Public Parks--To deposit additional rip-rap in front of the Battery sea-wall.

Henry Meyer --To drive fender-piles on the east side of Mott Haven Canal, between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets.

Jamieson Fire Resisting Paint Company--To erect two shanties for the purpose of demonstrating the fire-resisting qualities of their paint, provided the consent of the Fire Department is obtained.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Requesting surveys of Piers 43 and 48, East river, for use in the suit of William Sahr vs. The Mayor, and a survey showing the location of original high-water mark, and the easterly line of Twelfth avenue, between Fifty-third and Fifty-fourth streets.

2d. Advising the Board that it possesses the legal right to build a sea-wall at or near the foot of Dey street, North river, at the expense of John H. Starin.

From the Finance Department--Approving sureties on Contract No. 456.

From the American Committee Statue of Liberty and the Knickerbocker Steamboat Company--Requesting that the space on each side of the approach to the Battery landing be boarded over. Application denied.

From the Old Colony Steamboat Company--Accepting the terms and conditions of the resolution adopted June 29, 1893, leasing the bulkhead between Piers, old 28 and new 19, North river.

From the Pacific Mail Steamship Company--Inclosing the written consent of the sureties to the sub-letting of the south half of Pier, new 34, North river, to the Panama Railroad Company.

From the Consolidated Gas Company--Requesting permission to examine the service-pipe on Twelfth avenue, between Piers, new 57 and 58. Permit granted on the usual terms.

From Dock Master Abeel :

1st. Reporting a hole in the bulkhead on the south side of West Eleventh street. Owners notified to repair.

2d. Reporting repairs required to the water-pipe under the south crosswalk in front of Pier, new 43, North river. Engineer-in-Chief directed to repair.

From Dock Master Monaghan--Reporting a hole in the pavement at the entrance to Pier at East Third street. The Engineer-in-Chief directed to repair if necessary.



The following report of receipts for the week ending July 20, 1893, amounting to \$20,880.14, received from the Treasurer and ordered to be spread in full on the minutes, as follows :

NO.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
10					1893.
11	Thomas Smith.....	Sale of dump-tickets, East 102d st., E. R., No. 7501 to 10000.....	\$250 00		
12	N. Y. L. E. & W. R. R. Co....	1 qrs. rent, Pier, foot of 49th st., N. R.	2,500 00		
12	Owens & Co.....	" bhd. pfm. at 47th st., E. R..	137 50		
				\$2,887 50	July 14
13	William J. Clark.....	1 mos. rent, l. u. w., pfm., S. Pier 43, E. R.....	\$16 30		
17	Pacific Mail Steamship Co....	1 qrs. rent, Pier, new 34, and bhd. each side, N. R.....	15,105 74		
18	Isaac Untermeyer.....	5 mos. rent, bhd. south of 54th st., E. R.....	62 50		
18	George A. Woods.....	Wharfage, District No. 2, N. R.....	105 12		
18	Edward Abcel.....	" 4, " .....	441 12		
18	B. F. Kenney.....	" 6, " .....	164 59		
18	William B. Osborne.....	" 8, " .....	102 94		
18	James J. Fleming.....	" 10, " .....	974 95		
18	Thomas P. Walsh.....	" 12, " .....	44 49		
18	Henry A. Palmstine. ....	" 1, E. R .....	218 49		
18	Charles S. Coye.....	" 3, " .....	260 27		
18	James A. Monaghan.....	" 5, " .....	143 26		
18	Joseph F. Meehan.....	" 7, " .....	152 08		
18	Maurice Stack.....	" 9, " .....	96 04		
18	James W. Carson.....	" 11, " .....	51 00		
18	John J. Martin.....	" 13, " .....	53 75		
			\$20,880 14	\$17,992 64	July 18
				\$20,880 14	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of nineteen bills or claims, amounting to \$10,36, which were approved and audited and ordered to be spread in full on the minutes, as follows :

Construction Account.

NO.	Name.	Amount.
1	Thomas Smith, Estimate No. 1 and final, Contract No. 444....	\$4,500 00
2	F. W. Devoe and C. T. Raynolds Company, oil paper, etc .....	172 70
3	The Neufchatel Asphalt Company (Limited), asphalt pavement.	61 00

Audit No	Name.	Amount.
13405.	H. A. Rogers, barrows.....	\$240 00
13406.	Alfred J. Murray, piles.....	3,425 00
13407.	Morris & Cumings Dredging Company, dredging.....	2,500 00
13408.	Gas Engine and Power Company, launch, etc.....	950 00
13409.	Martin B. Brown, printing.....	9 85
13410.	John Roebling's Sons Company, wire rope.....	89 76
13411.	X. Stoutenborough, tubes.....	25 00
13412.	Heipershausen Bros., towing.....	277 50
13413.	Hodgman Rubber Company, boots.....	128 64
		<hr/> \$12,371

General Repairs Account.

13414.	Thomas Kelly, services horse, cart, etc.....	\$196 00
13415.	Peter Murray, services horse, cart, etc.....	70 00
13416.	Dennis J. Trolan, services horse, cart, etc.....	105 00
		<hr/> 37

Annual Expense Account.

13417.	Stern Brothers, towels, etc.....	\$18 60
13418.	John Early & Co., towels, pails, etc.....	35 15
		<hr/> 5

Construction Account.

13419.	P. Sanford Ross, Estimate No. 1 and final, Contract No. 427....	\$4,616 64
13420.	Henry S. Lanpher, Estimate No. 2, Contract No. 436....	11,579 52
		<hr/> 16,196 16
		<hr/> \$29,000

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13394.	Repairs to boiler.....	\$77
13395.	Yellow pine piles.....	each
13396.	Rubber hose.....	per foot
13397.	Copper floats.....	1
13398.	Rotary barrel pumps.....	3
13399.	Wrought-iron tank.....	9
13400.	Egg coal.....	per ton
13401.	Portland cement.....	2,200

Register No	For What.	Estimated Cost
13402.	Pitch, saws, etc . . . . .	\$210 00
13403.	Suction pumps . . . . .	108 00
13404.	Yellow pine timber . . . . .	267 95
13405.	Rubber, cement, etc . . . . .	35 00
13406.	Set of cushions for launch . . . . .	32 00
13407.	Bagging, sheets and bags . . . . .	470 00
13408.	Divers' hose . . . . .	48 00
		<u>          </u>

The Treasurer reported that he had received estimates for furnishing the Department with tools and materials, broken stone, egg coal, Manila rope, Portland cement, iron work, and repairs to boiler, as follows :

*Tools and Materials.*

C. Barnett . . . . .	\$275 00
John H. Patrick . . . . .	306 75
Alexander Pollock . . . . .	335 00
William B. Liddy . . . . .	291 00
	<u>          </u>

*About 500 Cubic Yards of Broken Stone.*

Hadson River Stone Supply Company . . . . .	\$1 32 per cubic yard.
H. P. Sheridan . . . . .	1 65     "
	<u>          </u>

*About 225 Gross Tons Egg Coal.*

David Duncan & Son . . . . .	\$4 04 per gross ton.
William Horre & Co. . . . .	4 15     "
George W. Winant & Son . . . . .	4 40     "
	<u>          </u>

*About 50 Tons Egg Coal and 5 Tons each Stone, Nut and Cumberland.*

David Duncan & Son . . . . .	\$5 24 per ton.	\$4 75 per ton.	\$4 75 per ton.
William Horre & Co. . . . .	5 25     "	5 50     "	5 50     "
			<u>          </u>

*About 2,700 Pounds of Four-inch Manila Rope.*

Alexander Pollock . . . . .	\$0 8½ per pound.
DeGrauw, Aymar & Co. . . . .	8½     "
C. Burnett . . . . .	9     "
The Forster Manufacturing Company . . . . .	8 10     "
	<u>          </u>

*1,700 Barrels Slow-setting Portland Cement.*

James Brand . . . . .	\$1 99 per barrel.
Baetjer & Meyerstein . . . . .	2 05     "
Sinclair & Babson . . . . .	2 23     "
	<u>          </u>

*Iron Work.*

Alexander Pollock.....	52,162 49
Peter Timmes' Son.....	2,163 83
Greenlie, Wyatt & Co .....	2,188 10
John Loyd.....	2,372 68

*Repairs to Boiler on Tug "Pier."*

The Cowles Engineering Company.....	\$778 00
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The action of the Treasurer in awarding the orders to C. Burnett, Hudson River Stone Supply Company, David Duncan & Son, Alexander Pollock and James Brand, they being the lowest bidders approved.

From the Engineer-in-Chief:

1st. Report for the week ending July 15, 1893.

2d. Submitting a map showing an area of about 2,600 square feet of filling-in, recently done in the vicinity of Leggett's Creek by the East Bay Land and Improvement Company. Transmit copy to the Counsel to the Corporation.

3d. Reporting the completion of the Pier foot of West Forty-fourth street. Dock Master directed to collect wharfage.

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the week ending July 14, 1893, amounting to \$13,394.04, had been approved and audited and transmitted to the Finance Department for payment.

On motion, John H. Starin was directed to repair the pavement in front of Pier 19, North river.

On motion, the Engineer-in-Chief was directed to take up and relay any pavement that may be necessary and make any trench that may be required for placing hydrants on the newly-made land by the Department of Public Works.

On motion of the President, the following resolution was adopted :

Resolved, That, during the absence of Commissioner Phelan, Commissioner White be and is hereby authorized to act as Treasurer.

In accordance with the notice given July 13, 1893,

On motion of the President, article 1, section 2 of the By-laws was amended, so as to read as follows :

"Section 2. A public meeting shall be held on Thursday of each week, except during the months of August and September."

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12493. Repaired the sewer-box beneath Pier, new 40, North river.

No. 12849. Relaid about thirty square yards of pavement in the vicinity of Pier, new 39, North river.

No. 12868. Repaired the Pier at West Thirty-fourth street.

No. 12871. Repaired the Pier at East Third street.

No. 12879. Relaid pavement in front of Christopher Street Ferry.

No. 12888. Repaired the Pier at West Forty-seventh street.

No. 12889. Repaired the Pier at West Fifty-fifth street.

No. 12922. Repaired Pier, old 54, North river.

No. 12947. Repaired the bulkhead between Piers, new 29 and old 38, East river.

No. 12956. Repaired the pavement on the approach to the Pier at West Twentieth street.

No. 12969. Repaired the Pier at East Thirty-eighth street.

No. 12973. Cleaned the bulkhead at East One Hundred and Twelfth street.

No. 12978. Removed a portion of the wharf at Castle Garden.

No. 12992. Repaired Pier at West One Hundred and Thirty-first street.

No. 12997. Repaired the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets.

No. 13007. Repaired Castle Garden Wharf.

No. 13026. Repaired Pier 19, East river.

No. 13030. Removed backing-log in front of Pier, new 23, North river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 9910. Making of streets and avenues mentioned in the grant to Robert Ray and John A. King, between Twenty-eighth and Thirtieth streets, North river.

No. 11985. Repairs to Pier, new 42, North river.

No. 12147. Repairs and alterations to Pier, new 42, North river.

No. 12228. Repairs to the pavement between Piers 26 and 29, East river.

No. 12413. Repairs to Pier, new 42, North river.

No. 12473. Laying of gas-pipe between Fiftieth and Fifty-first streets, North river.

No. 12490. Repairs to the pavement on the bulkhead between Piers 26 and 27, East river.

No. 12534. Dumping of street cleaning material foot of West Thirtieth street.

No. 12604. Driving of piles between Piers, old 45 and new 36, and bulkhead between said Piers, East river.

No. 12629. Repairs to Pier 12, North river.

- No. 12637. Repairs to the ferry-rack foot of Liberty street, North river.
- No. 12682. Extension of water-pipes through the bulkhead at East Eightieth street.
- No. 12798. Repairs to platform north of West Twenty-third street.
- No. 12807. Repairs to shed on Pier, new 42, North river.
- No. 12811. Raising of grade at bulkhead foot of West Twenty-second street.
- No. 12818. Repairs to the north half of the bulkhead between Thirteenth and Fourteenth streets, North river.
- No. 12821. Repairs to the bulkhead between Fifteenth and Sixteenth streets, East river.
- No. 12882. Erection of coal-shed at Morris Dock, Harlem river.
- No. 12903. Repairs to Pier at West Thirty-eighth street.
- No. 12904. Dredging at dumping-board foot of East Fortieth street.
- No. 12905. Dredging at dumping-board south of East Sixtieth street.
- No. 12906. Dredging at dumping-board foot of Jackson street, East river.
- No. 12907. Dredging at dumping-board at Pier 12, East river.
- No. 12924. Repairs to bulkhead and bulkhead platform south of One Hundred and Thirty-eighth street, west side of Mott Haven Canal.
- No. 12925. Dredging in the half slip adjoining the easterly side of Pier 24, East river.
- No. 12930. Repairs to the sheathing on deck of Pier foot of East Twenty-third street.
- No. 12932. Repairs to the pavement, at Pier 8, North river.
- No. 12958. Dredging between Piers, old 4 and 5, North river.
- No. 12961. Driving of piles, at Pier 38, East river.
- No. 12964. Placing of ice bridge, at bulkhead at foot East One Hundred and Fourth street.
- No. 12970. Repairs to Pier 21, East river.
- No. 12972. Repairs to pavement at the entrance to Pier 3, East river.
- No. 13003. Repairs to Pier, new 24, North river.
- No. 13006. Driving of piles at Pier foot East Third street.
- No. 13008. Erection of ice bridge on the south side of Pier foot of East Nineteenth street.
- No. 13012. Raising of canal-boat "Ida Hill," at Eighty-sixth street, East river.
- No. 13014. Repairing of pavement on the bulkhead between Piers 44 and 45, East river.

The Engineer-in-Chief returned Secretary's Orders Nos. 12262, 12477, 12931, 12869, 12976 and 12982.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Thomas J. McDonnell appeared and presented the following charges against Roundsman Patrick H. McCullough :

- 1st. Having been intoxicated on the nights of June 29 and 30, 1893.
- 2d. Not having visited Pier, new 14, North river, between February 16 and May 1, 1893.

Said McDonnell, and Laborer, Acting Watchman, John Carroll were heard in support of said charges and Patrick H. Cullough was present and testified in his own behalf.

On motion, the charges were dismissed.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Engineer-in-Chief :

1st. Recommending that his action in directing that Laborer, Acting Watchman, Peter Snedden be not again assigned to duty as Acting Watchman be approved.

On motion, said Snedden was directed to be reassigned to duty.

2d. Recommending that his action in suspending Laborer, Acting Watchman, Patrick McManus be approved.

On motion, said McManus was directed to be restored to duty.

On motion, the compensation of Owen Tierney and Robert Aram, Laborers, was fixed at the rate of \$75 per month, to take effect July 22, 1893.

On motion, the compensation of John Fitzgerald and Patrick Cunningham, Laborers, Acting Watchmen, was fixed at the rate of 23 cents per hour.

The following persons were discharged :

*Laborer.*

John McAdam.

*Dock Builder.*

Stephen Chisom.

The following persons were appointed :

*Laborers.*

Charles Curran.

John Keenan.

John Keefe.

William Ryno.

William Zagieck.

Charles Shalipher.

Owen Monaghan.

John Benson.

Patrick Hartnett.

Carl Dorfler.

James F. Gibbons.

Michael Shea.

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*Dock Builders.*

John Boland.

Patrick Cunningham.

Charles A. Freed.

Jeremiah Collins.

James Barrett.

John F. Gately.

John Keegan.

James H. Flood.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. 11 "A," Battery place, Thursday, July 27, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner White.

Absent— " Phelan.

The minutes of the meeting held on the 20th instant were read and approved.

Daniel Lord, attorney for the Cunard Steamship Company (Limited), appeared and stated that an agreement had been entered into with the Comptroller of the City of New York for the purchase of the bulkhead along the westerly side of West street running 75 feet northerly from the northerly side of Clarkson street.

On motion, The preamble and resolutions adopted December 13, 1892, were amended so as to read as follows :

Whereas, At a meeting of the Board of Docks held December 13, 1892, Vernon H. Brown, agent for the Cunard Steamship Company (Limited), appeared before the Board and offered to cancel the existing lease of Pier, new 40, North river, provided the Board would grant said company a lease for a term of ten years with privilege of renewal for a further term of ten years of said pier, to commence upon the completion of the extension of said pier and agreeing to pay a rental of thirty-six thousand five hundred dollars (\$36,500) for the first term of ten years and forty thousand one hundred and fifty dollars (\$40,150) for the second term of ten years. Now, therefore, be it

Resolved, That the existing lease of Pier, new 40, North river, made by this Department to the Cunard Steamship Company (Limited) be and is hereby canceled.

Resolved, That by virtue of the power and authority vested in this Board, and in pursuance with the statutes in such cases made and provided, this Department hereby agrees to lease, assign and to farm-let to the Cunard Steamship Company (Limited), all and singular the wharfage which may arise, accrue or become due, in the manner and at the rates prescribed by law for the use and occupation of Pier, new 40, North river, as extended, together with the shed thereon and the shed to be erected on the extension by said company for a period of ten years from the date of the completion of said extension, for the sum of thirty-six thousand five hundred dollars (\$36,500) per annum payable quarterly in advance to the Treasurer of this Department. The said lessee shall have the privilege of a renewal of said lease for a further term of ten years, upon three months' notice being given, prior to the expiration of the first term. The rental for the second term of ten years to be forty thousand one hundred and fifty dollars (\$40,150) per annum, payable quarterly in advance as above. The said lease or any renewals thereof shall contain the usual covenants and conditions, as at present embodied in the leases of wharf property now used by this Department.

Resolved, That permission be and hereby is granted to the Cunard Steamship Company (Limited) to erect a shed upon the extension to Pier, new 40, North river, in accordance with the plans to be submitted to and approved by this Board. The said shed to be erected at the cost and expense of the Cunard Steamship Company (Limited) under the supervision of the Engineer-in-

Chief of this Department. The title and ownership of said shed whenever completed and ready for occupancy shall thereupon become vested in and owned by the Mayor, Aldermen and Commissioners of the City of New York free of all claims, charges and incumbrances of any kind whatsoever.

It being understood that the above preamble and resolutions shall be of no force or effect unless the Cunard Steamship Company (Limited) file in this office, within thirty days from date of receipt of said preamble and resolutions, their written acceptance of the terms and conditions thereof.

The following communications were tabled until August 3, 1893 :

From the Engineer-in-Chief :

1st. Reporting repairs required to the derrick "City of New York."

2d. Reporting the non-commencement of the erection of an iron awning-shed on the Pier foot of West Thirty-fourth street, under Contract No. 437.

The communication from the captain of the tug "Pier," complaining of the quality of coal supplied, was referred to Commissioner White, with power.

The report from the Engineers' office, United States Army, that the Pier foot of West Thirteenth street projects fifty feet beyond the pier-head line, was referred to the Engineer-in-Chief.

The application of John L. Keating, for permission to unload sand on the bulkhead between Piers 6 and 7, East river, was referred to the Dock Master.

The following permits were granted, to continue only during the pleasure of the Board :

Richard Tobin—To place a sign on the tool-house at Pier 43, East river.

F. Schutt—To land the steamboat "Waterbury" at the Battery wharf. Compensation to be fixed by Commissioner White.

C. V. H. Post —To land the steamboat "Eliza Hancox" at the Battery wharf. Compensation to be fixed by Commissioner White.

St. John's Guild - -To erect frames for canvas awnings on the Pier foot of West Thirty-fourth, East Third and Rutgers streets, East river, the work to be done under the supervision of the Engineer-in-Chief.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

New York Central and Hudson River Railroad Company —To dredge a temporary channel in the Harlem river at the head of Park avenue.

Brown & Fleming - -To dredge at the dumping-boards foot of Fortieth and Sixtieth streets, East river.

New York Mutual Gas-light Company - -To repair the Pier foot of East Thirteenth street.

New York, Lake Erie and Western Railroad Company - -To repair Pier, new 21, and the bulkhead between Twenty-second and Twenty-third streets, North river.

The following permits were revoked :

*Al Foster* Steamboat Company—To land at the Battery wharf.

*Joseph Friend*—To land at the Battery wharf.

The following communications were received, read, and,

on motion, ordered to be placed on file :

From *James Parks*—Accepting the terms and conditions of the resolution adopted July 13, 1893, leasing to him the Pier foot of West Forty-eighth street.

From the Counsel to the Corporation :

1st. Approving form of Contract No. 455.

2d. Transmitting lease of the Pier foot of West Forty-eighth street to *James Parks*. Officers of the Board authorized to execute said lease in the form as approved by the Counsel to the Corporation.

From the Finance Department :

1st. Approving sureties on Contract No. 451.

2d. In reference to the substitution of sureties on Contract No. 452.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the substitution of *John Booth* as surety place of *William F. Cunningham*, on estimate of *F. V. Smith*, for preparing for and laying pavement on the new-made land between *Franklin street* and *Duane street*, on the North river, with either *Staten Island syenite blocks*, laying crosswalks and building the necessary drains or drains under Contract No. 452.

From *Cyrus Clark*, president of the *West End Association*—In reference to the non-removal of dump, at *West Seventy-ninth street*.

From the *Occident Dock Company*—Requesting dredging on both sides of Pier, new 59, North

The Engineer-in-Chief directed to prepare specifications and form of contract for doing work.

From the *Jamieson Fire-resisting Paint Company*—Requesting a permit to exhibit in front of "A," North river. Application denied.

From *R. Gill & Son*—Stating that the dredging ordered on the 13th instant at the bulkhead between *One Hundred and Sixth* and *One Hundred and Seventh streets*, East river, will be done.

From *John A. Bouker*—Requesting permission to establish a dump foot of *West Eighty-first street*. Application denied.

From *Babcock, Lary & Co.*—Submitting prices for dredging at *Dey street*, *Warren street* and *face*, North river, and *Ninety-first street*, East river. Proposition for *Dey*, *Warren* and *first streets* accepted.

From Dock Master Fleming—Complaining of the sanitary condition of the slips foot of Forty-second and Forty-ninth streets, North river.

The following report of receipts for the week ending July 26, 1893, amounting to \$2,317.30, was received from the Treasurer and ordered to be spread in full on the minutes :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
July 22	Hoboken Ferry Company....	Taking up and relaying pavement....	\$27 17		
" 24	Iron Steamboat Company....	Repairs to water-pipe and pavement..	34 32		
" 25	George A. Woods.....	Wharfage, District No. 2, N. R.....	290 88		
" 25	Edward Abeel.....	" 4, " .....	156 93		
" 25	B. F. Kenney.....	" 6, " .....	324 31		
" 25	William B. Osborne.....	" 8, " .....	176 08		
" 25	James J. Fleming.....	" 10, " .....	271 13		
" 25	Thomas P. Walsh.....	" 12, " .....	34 25		
" 25	Henry A. Palmstine.....	" 1, E. R.....	103 63		
" 25	Charles S. Coye .....	" 3, " .....	122 60		
" 25	James A. Monaghan.....	" 5, " .....	440 34		
" 25	Joseph F. Meehan.....	" 7, " .....	102 92		
" 25	Maurice Stack.....	" 9, " .....	128 92		
" 25	James W. Carson .....	" 11, " .....	49 54		
" 25	John J. Martin.....	" 13, " .....	54 28		
				\$2,317 30	July 25
			\$2,317 30	\$2,317 30	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of seventeen bills or claims, amounting to \$16,214.72, which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.		
Audit No.	Name.	Amount.
13421.	G. L. Schuyler & Co, spruce.....	\$118 50
13422.	William Gaskell & Son, bolts, etc.....	32 00
13423.	Abraham Steers, spruce.....	197 57
13424.	W. & B. Douglas, pump.....	32 00
13425.	Columbian Foundry, washers, etc.....	445 93

Acct. No.	Name.	Amount.
13426.	H. P. Sheridan, rip-rap.....	\$523 77
13427.	De Grauw, Aymar & Co., rope.....	539 33
13428.	Stokes & Thedford, coal.....	847 98
13429.	Leonard & Ellis, oil.....	109 18
13430.	J. Henry Haggerty, oil.....	71 29
13431.	Alexander Pollock, tallow, valves, etc.....	264 80
13432.	Charles N. Kimpland, piles....	10,266 40
13433.	The American Forcite Powder Manufacturing Company, powder..	460 00
13434.	Graves & Steers, piles and planks.....	1,361 37
13435.	Wyckoff, Seamans & Benedict, repairs to typewriter, etc.....	20 00
13436.	The Metropolitan Telephone and Telegraph Company, telephone service.....	84 60
		<hr/> \$15,374 72

*General Repairs Account.*

13437.	Wood & Robinson, spruce.....	840 00
		<hr/> \$16,214 72

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13409.	Piles, each.....	\$12 and \$16 00
13410.	Repairs to furnace, etc.....	100 00
13411.	Dredging.....	510 00
13412.	Spruce plank.....	28 88
13413.	Iron and steel.....	208 00
13414.	Tin tubes.....	25 00
13415.	Bolt-heading machine.....	50 00
13416.	Blacksmith's churn, per pound.....	05
13417.	Steel or iron Z bars.....	626 00
13418.	Machine bolts.....	53 13
13419.	White lead, paint, etc.....	164 69
13420.	Dead-oil of coal-tar.....	75 00

13421. Portland cement .....	\$1,095
13422. Spruce, per M.....	2 1
13423. Paving .....	975
13424. Sprinkling new-made land, etc.....	196
13425. Services of horse, cart and driver.....	210

The Treasurer reported that he had received estimates for furnishing the Department with Portland cement and cobble, as follows :

*1,000 Barrels Quick-setting Portland Cement.*

Baetjer & Meyerstein.....	\$1 95 per barrel
Sinclair & Babson.....	2 06 “
James Brand.....	2 02 “

*About 3,000 Cubic Yards of Cobble Stone.*

Bouker Contracting Company.....	\$5 88 9-10 per cubic yard.
Brown & Fleming.....	89 “

The action of the Treasurer in awarding the orders to Baetjer & Meyerstein and Bouker Contracting Company, they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Report for the week ending July 22, 1893.

2d. Recommending that he be directed to make the proper connection between the Pier at West Thirty-fourth street and the new pavement on the westerly side of Twelfth avenue. Recommendation adopted.

3d. Reporting damage to the powder scow “R” by the tug “William H. Vanderbilt.” Engineer-in-Chief directed to repair and report the cost for collection from John H. Starin.

4th. Recommending the paving of a space about twenty feet wide between the pavement on Thirteenth avenue and the new pavement laid by this Department between West Twenty-fourth and Twenty-fifth streets. Notify the Department of Public Works.

Report on Secretary's Order No. 13041 --As to the repairs required to the pavement in front of Pier 19, North river. Notify the Department of Public Works.

Report on Secretary's Order No. 13061 --Submitting cost of paving on the easterly side of Madison Avenue Bridge between One Hundred and Thirty-seventh and One Hundred and Thirty-eighth streets, Harlem river. Engineer-in-Chief directed to make requisition for doing said work.

Report on Secretary's Order No. 12941 - Submitting specifications and form of contract for dredging between Piers 4 and 5 and 53 and 54, East river.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending July 21, 1893, amounting to \$13,425.76, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the following resolution was adopted :

Resolved, That so much of the resolution adopted March 23, 1893, as provides for the widening of Pier, new 36, North river, be and hereby is rescinded, revoked and annulled, and the Engineer-in-Chief is hereby directed not to proceed with the widening of said pier.

On motion, the permit granted Henry A. Peck & Co., August 29, 1889, for a dumping-board at Pier 61, East river, was revoked.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

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The Board then met in executive session.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From Dock Master Palmstine—Requesting a vacation of two weeks, commencing September 10, 1893. Application granted.

From the Engineer-in-Chief :

1st. Reporting that he had suspended Laborer Cornelius Crowley for being intoxicated while at the work at Canal Street Dump on the 21st instant.

On motion, said Crowley was notified to appear before the Board Thursday, August 3, 1893, at 11 o'clock A. M., and show cause why he should not be discharged.

2d. Reporting that he had suspended Lawrence Kelly, Dock Builder.

On motion, said Kelly was discharged.

3d. Reporting the absence of James Carren, Dock Builder, for three successive days without being excused.

On motion, said Carren was discharged.

4th. Reporting the absence of William King, Dock Builder, for three successive days without being excused.

On motion, said King was directed to be restored to duty.

On motion, the compensation of Crawford Mason, Laborer, was fixed at sixty-five dollars per month.

The following persons were appointed :

*Laborers*

Michael Gerraty.

Daniel Dougherty.

Henry Ringsdorf.

Matthew Mooney.

Michael Kennedy.

Patrick Smith.

Charles Keenan.

Edward Cunnion.

Andrew Barrett.

*Dock Builders.*

Charles E. McAvoy.

William Shanahan.

Bernard Fitzpatrick.

Patrick Rogers.

Daniel Lynch.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board,  
 "A," Battery place, Thursday, August 3, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The Board met for the purpose of receiving estimates for furnishing granite stones for bulkhead river wall under Contract No. 455 and for furnishing sawed yellow pine timber under Contract 456, a representative of the Comptroller being present.

Three estimates were received on Contract No. 455, as follows :

	CLASS 1.	CLASS 2.	TOTAL.
1. John Peirce, with security deposit, \$800.....	\$0 97	\$1 37	\$37,327 31
2. James Symington, with security deposit, \$800.....	1 20	1 58	45,075 60
3. William Lamb, with security deposit, \$800.....	1 15	1 18	39,989 45

Two estimates were received on Contract No. 456, as follows :

1. Yellow Pine Company, with security deposit, \$800.....	\$28 85
2. Loring R. Millen, with security deposit, \$800.....	29 70

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolutions were adopted :

Resolved, That the contract opened this day for furnishing granite stones for bulkhead or river wall under Contract No. 455 be and is hereby awarded to John Peirce, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the bids opened this day for furnishing sawed yellow pine timber under Contract No. 456 be and are hereby rejected, and the Secretary directed to readvertise the same.

The minutes of the meeting held the 27th ultimo were read and approved.

A representative of Manchester & Philbrick appeared respecting the permit granted June 22, 1893.

On motion, said permit was amended so as to permit them to use and occupy about two hundred feet of bulkhead either between Ninety-fourth and Ninety-fifth streets, or between One Hundred and Second and One Hundred and Third streets, East river, the compensation for said privilege to be fixed by Commissioners White and Phelan.

The communication from the Engineer-in-Chief reporting repairs required to the 100-ton derrick was taken from the table, placed on file, and the following resolution unanimously adopted :

Resolved, That the Treasurer be and he is hereby authorized and directed to purchase for the uses and purposes of the Department, the services of a floating dry-dock and such materials and labor as may be required to examine the condition of and make the necessary repairs to the floating derrick "City of New York," in accordance with the report of the Engineer-in-Chief, the said purchase being made by virtue of the authority vested in this Board by section 714 of the New York City Consolidation Act of 1852, and that all the work and material hereby ordered be performed and purchased otherwise than by contract.

The communications from Christian Lauer, respecting his rights under Contract No. 447 for paving the new-made land between Dey and Barclay streets, was referred to the Engineer-in-Chief.

The application of McDermott & Co., lessees, for a reduction of rent of a part of the Pier foot of West One Hundred and Twenty-ninth street, in consequence of his having been deprived of the use of the north side thereof, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief:

New York, New Haven, and Hartford Railroad Co. --To run two openings about 12 inches in diameter through the bulkhead between Piers 51 and 52, East river.

T. & W. Thorn & Co. --To erect platform and shed at the foot of Ackerman street, Spuyten Duyvil Creek.

White Star Line, lessee --To remove derrick masts from Pier, new 44, to Pier, new 38, North river, and to repair Pier, new 38, North river.

M. C. Dexter --To transfer his swimming bath from the Pier foot of West Forty eighth street to the Pier foot of West Forty fourth street.

Al Foster Steamboat Company --To occupy berth at the Pier foot of West Forty fourth street instead of at Forty-eighth street, North river, as heretofore.

The following permits were granted on the usual terms:

International Navigation Company, lessee --To make connection for water-pipes with the Washington Pier.

Union Ferry Company --To make necessary repairs to their ferry-racks during the ensuing three months; the work to be kept within existing lines.

The following communications were received, read, and:

On motion, ordered to be placed on file.

From the Counsel to the Corporation:

1st. Approving form of Contract No. 436.

2d. Transacting off and on by Vanderpool, Camm & Goodwin, attorneys, for a settlement of the suit of Le May, et al., vs. George W. Qantard and George F. Weed, assignees, and the or, etc., vs. Emeline Raach, to recover possession of the south half of the Pier foot of East Tenth

street, the Pier foot of East Ninth street, the bulkhead between East Ninth and East Tenth streets and the north half of the Pier foot of East Eighth street, East river.

On motion, the following preamble and resolutions were adopted :

Whereas, A communication was received, August 2, 1893, from the Counsel to the Corporation, transmitting an offer made by Vanderpoel, Cuming & Goodwin, attorneys, for the settlement of the suits of the Mayor, etc., against George W. Quintard and George E. Weed, assignees and trustees of John Roach and the Mayor, etc., against Emeline Roach.

Resolved, That the Counsel to the Corporation be and is hereby requested to finally settle all questions growing out of the above-mentioned suits, provided no leases be granted, simply permits during the pleasure of the Board.

Resolved, That permission be and hereby is granted to George W. Quintard and George E. Weed, as assignees and trustees of John Roach, to use and occupy, during the pleasure of the Board, subject to the approval of the settlement by the Counsel to the Corporation, the Pier at the foot of East Ninth street, the south half of the Pier at the foot of East Tenth street, and the bulkhead between said piers (being a part of Mangin street) ; compensation to be paid therefor at the rate of one hundred and eighty-seven dollars and fifty cents (\$187.50) per month, payable at the end of each month to the Treasurer of this Department, commencing August 1, 1893.

Resolved, That permission be and hereby is granted Emeline Roach to use and occupy, during the pleasure of the Board, subject to the approval of the settlement by the Counsel to the Corporation, the north half of the Pier foot of East Eighth street, compensation to be paid therefor at the rate of sixty-two dollars and fifty cents (\$62.50) per month, payable at the end of each month to the Treasurer of this Department, commencing August 1, 1893.

From the Finance Department—Approving sureties on Contract No. 452.

From the Department of Street Cleaning :

1st. Reporting that the Barney dumping-boat No. 7 dumped a portion of her load foot of East Forty-sixth street. The Engineer-in-Chief directed to dredge and report the cost for collection from said company.

2d. Requesting the laying of a floor beneath the new dumping-board foot of Canal street, North river. Application denied.

From the Health Department—Respecting an abatement of the nuisance between Forty-second and Forty-third streets, North river.

On motion, the following preambles and resolutions were adopted :

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Department of Docks of the City of New York is authorized to acquire by purchase in the name and for the benefit of the Corporation of the City of New York wharf property in said city, and all rights, terms, easements and privileges pertaining thereto, subject to the approval of the Commissioners of the Sinking Fund, and agree with such owners upon a price for the same, and in case of failure to agree upon a price for the same, to initiate legal proceedings to acquire the same for the improvement of the water-front of said city ; and

Whereas, This Department is desirous of acquiring, in the name and for the benefit of the Corporation of the City of New York, all right, title and interest in and to the land, land under water and bulkhead rights between the northerly line of West Forty-second street and the southerly line of West Forty-third, including the bulkhead westerly thereof on the North river, and riparian rights and privileges and the easement to collect wharfage and cramage at said bulkhead and

Whereas, It appears that the Forty-second and Grand Street Ferry Railroad Company are the owners in fee of the above-described premises

Resolved, That this Board offers to purchase the said premises and pay for a good and sufficient title therefor, to be approved by the Counsel to the Corporation of the City of New York, the sum of five hundred dollars (\$500 per front foot, subject to the approval of the Commissioners of the Sinking Fund, as provided by law

Resolved, That a copy of these preambles and resolutions be served upon the Forty-second and Grand Street Ferry Railroad Company, owners of the above-described premises, and they be and hereby are requested, within ten days from receipt hereof, to notify this Board in writing whether they will sell their respective rights and interests as aforesaid in said premises to the Mayor, Aldermen and Commonalty of the City of New York for the price above mentioned, and in the event that they shall fail to notify this Board of their willingness to so convey their respective rights and interests as aforesaid, it shall be deemed that no price can be agreed upon for said premises between the owners thereof and this Department.

From Daniel Lord, attorney.—Transmitting certified copy of the assignment of the lease made by the Liverpool and Great Western Steamship Company (Limited) of Pier, new 38, North river, to the Oceanic Steam Navigation Company (Limited), as provided by the resolution adopted March 9, 1893. The Secretary directed to prepare the necessary form of lease, and the officers of the Board authorized to execute the same.

From the Hoboken Ferry Company.—Reporting the placing of a booth in front of Christopher Street Ferry. Dock Master directed to remove.

From John Cox.—Requesting permission to assign all moneys due on Contract No. 451 to James M. Motley.

On motion, the following resolution was adopted

Resolved, That permission be and hereby is granted John Cox, contractor, to assign to James M. Motley, all sums of money which now are or may hereafter become due on Contract No. 451, for preparing for and paving the newly made land for a width of fifty feet, extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area, foot of West Twenty-fifth street, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers, provided the said John Cox and parties on said contract shall execute and file an agreement in writing with this Board, that their obligations under the provisions thereof, shall not in any manner be affected or impaired by reason of such license and consent to the said assignment.

From Still & Patterson—Requesting dredging in the slip south of Pier, old 54, North river. The Engineer-in-Chief directed to make requisition for doing said work.

From the Providence and Stonington Steamship Company, lessee—Submitting plans and specifications for the erection of a shed on the bulkheads adjoining Pier, new 36, North river. Approved, subject to the approval of the Engineer-in-Chief.

From Dock Master Coye—Reporting an obstruction on the bulkhead between Piers 43 and 44, East river. Dock Master directed to remove.

From Dock Master Kenny—Reporting a hole in the approach to the Pier at West Eleventh street. The Engineer-in-Chief directed to repair if necessary.

From the Treasurer :

1st. Recommending that the compensation to be charged John Wagner for a boat-house between One Hundred and Sixty-eighth and One Hundred and Sixty-ninth streets, North river, be fixed at the rate of \$4 per month, payable at the end of each month to the Dock Master. Recommendation adopted.

2d. Reporting that William G. Horgan has not erected a derrick on the bulkhead between Sixtieth and Sixty-first streets, East river, under permit granted July 16, 1893. Permit revoked.

From Commissioner White—Recommending that the compensation to be charged the steamers "Eliza Hancox" and "Waterbury," for landing at the Battery Wharf, be fixed at the rate of \$5 per day for each boat, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

From Commissioners Phelan and White—Recommending that the compensation to be charged Solomon Mehrbach for the use and occupation of 100 feet of bulkhead, between the northerly line of Ninety-sixth street and the centre line of the block between Ninety-sixth and Ninety-seventh streets, East river, be fixed at the rate of \$600 per annum, payable at the end of each quarter to the Treasurer. Recommendation adopted.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending August 2, 1893, amounting to \$102,378.60, which was received and ordered to be spread in full on the minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893. July 25	West Shore R. R. Co.....	1 qrs. rent Pier, new 23, N. R., and ½ bhd. adjoining each side	\$10,500 00		1893.
" 25	Metropolitan S. S. Co.....	" 1. u. w. extension to Pier, old 11, N. R.....	200 00		
" 27	N. Y., N. H. & Hartford R.R. Co.....	" pfm. bet. Piers, 51 & 52, E. R.	563 96		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DAT DEPC ITEI
1893.					191
July 27	N Y., N. H. & Hartford R. R. Co.....	1 qrs. rent Pier, new 36, E. R.....	\$1,750 00		
" 27	N. Y., N. H. & Hartford R. R. Co.....	" 1. u. w. pfm. bet. Piers, 49 & 50, E. R.....	250 00		
" 27	Yellow Pine Co.....	" timber basin, south of 126th st., H. R.....	37 50		
" 27	Consumers' Ice Co.....	" Pier at Horatio st., N. R...	375 00		
" 28	John H. McCarthy. ....	1 qrs. rent Pier at 117th st., H. R.....	\$181 25	\$15.676 46	July
" 28	John H. Starin.....	" Pier, new 38, N. R.....	3,125 00		
" 28	" .....	" 1. u. w. pfm. bet. Piers, 18 and old 20, N. R.....	300 00		
" 28	" .....	" Pier at 32d st , E. R.....	350 00		
" 31	Quebec Steamship Co.....	" Pier, new 47 and bhd. N.R.	5,000 00		
" 31	" .....	1 mos. rent bhd. Piers, new 46 and 47, N.R.....	83 33		
" 31	Baetjer & Meyerstein.....	Testing cement.....	10 00		
Aug. 1	Herman Aich.....	" .....	10 00		
" 1	William A. Hall.....	1 mos. rent Bath Battery Wall.....	250 00		
" 1	Equitable Gas-light Co.....	1 qrs. rent bhd. foot of 40th st., E. R..	37 50		
" 1	" .....	" bhd. foot of 41st st., E. R...	27 50		
" 1	George A. Woods.....	Wharfage, District No. 2, N. R.....	385 67		
" 1	Edward Abeel.....	" 4, " .....	439 16		
" 1	B. F. Kenney .....	" 6, " .....	129 85		
" 1	William B. Osborne.....	" 8, " .....	60 79		
" 1	James J. Fleming.....	" 10, " .....	217 73		
" 1	Thomas P. Walsh.....	" 12, " .....	39 30		
" 1	Henry A. Palmstine.....	" 1, E. R.....	120 80		
" 1	Charles S. Coye.....	" 3, " .....	433 81		
" 1	James A. Monaghan.....	" 5, " .....	177 85		
" 1	Joseph F. Meehan .....	" 7, " .....	538 54		
" 1	Maurice Stack.....	" 9, " .....	190 33		
" 1	James W. Carson .....	" 11, " .....	58 64		
" 1	John J. Martin.....	" 13, " .....	55 44		
" 1	James Parks.....	1 qrs. rent Pier foot of 48th st., N. R.	1,250 00		
" 1	Campagne Generale Transat- lantique.....	1 qrs. rent Pier, new 42, N. R.....	11,625 00	13.472 49	Aug
" 1	New Jersey Steamboat Co....	1 mos. rent Pier old 40, N. R .....	1,666 67		
" 1	D., L. & W. R. R. Co.....	1 qrs. rent 1. u. w. for pfm. Piers 18 and 19, N. R.,.....	375 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
N. Y. & Baltimore Trans. Line	1 qrs. rent l. u. w. for pfm. Piers 6 and 8, N. R. ....	\$100 00		
Pam, Forwood & Co.....	" Pier, new 55, N. R. ....	6,250 00		
Associates of the Jersey Co..	" S. ½ Pier 18 and bhd., N. R. ....	2,000 00		
Pennsylvania R. R. Co.....	" Reclaimed land, Pier, old N. R. ....	250 00		
" .....	" l. u. w. for pfm. S. Pier 15, N. R. ....	250 00		
" .....	" Piers, new 27 and 28, and bhd., N. R. ....	13,750 00		
" .....	" Pier at 38th st., N. R. ....	2,500 00		
" .....	" l. u. w. for extension to bhd. bet. Piers 3 and 6, etc., N. R. ....	5,000 00		
Consolidated Gas Co.....	" bhd. at 15th st., E. R. ....	68 75		
H. A. Allen.....	" Pier foot of 21st st., N. R. ....	6,250 00		
Peter Charles.....	" l. u. w. pfm. bet. Piers 38 and 39, E. R. ....	100 00		
Hencken & Co.....	" bhd. foot of 4th st., E. R. ....	37 50		
" .....	" made Pier, 94th st., E. R. ....	562 50		
Bridgeport Steamboat Co.....	" wharf structure at Pier 35, E. R. ....	375 00		
Cunard Steamship Co.....	" Pier, new 42, N. R. ....	7,625 00		
Cedar Hill Ice Co.....	1 mos. rent S. Pier at Little W. 12th st., N. R. ....	125 00		
Carroll Box & 'umber Co....	" N. side Pier at 19th st., N. R. ....	125 00		
James E. Ward & Co....	" l. u. w. for pfm. bet. Piers 16 and 17, E. R. ....	147 86		
" .....	1 qrs. rent easterly half Pier, old 18, E. R. ....	2,375 00		
Homer Ramsdell.....	" Pier, new 24, N. R. ....	7,171 55		
Homer Ramsdell Trans. Co...	" Pier at 133d st., N. R. ....	300 00		
George H. Penniman.....	" l. u. w. for widening and extension of Pier, old 36, E. R. ....	750 00		
C. T. Van Santvoord.....	" Pier at 22d st., N. R. ....	3,129 82		
N. J. R. R. & Trans. Co.....	" l. u. w. for pfm. north of Desbrosses st., N. R. ....	250 00		
			\$73,159 65	Aug. 2
		\$102,308 60	\$102,308 60	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.



The Auditing Committee presented an audit of eighteen bills or claims, amounting to \$10,797.63, which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.		
Audit No.	Name.	Amount.
13438.	Alexander Pollock, pile shoes, etc .....	\$216 18
13439.	William Lynch, cushion, etc .....	52 00
13440.	H. C. & F. B. Calkin, copper floats .....	39 00
13441.	X. Stoutenborough, tin tubes .....	25 00
13442.	Baetjer & Meyerstein, cement.....	2,098 21
13443.	Theodore F. Booth, yellow pine.....	267 95
13444.	Niles Tool Works, planer.....	340 00
13445.	Gas Engine and Power Company, naphtha .....	90 00
13446.	The American Forcite Powder Manufacturing Company, powder..	256 30
13447.	Thornton N. Motley & Co., boiler, etc.....	765 00
13448.	Phillips & Francisco, insurance.....	882 41
		<hr/> \$5,032 05
General Repairs Account.		
13449.	Wood & Robinson, spruce .....	\$841 36
13450.	Edward McKeever, services horse, cart, etc .....	108 50
13451.	Dennis J. Trolan, services horse, cart, etc... ..	106 75
13452.	Robinson & Booth, lumber.....	129 87
13453.	Isaac Hall's Son, chain .....	47 25
		<hr/> 1,233 73
Annual Expense Account.		
13454.	Charles Miller, Jr., or Louis J. Grant, attorney, salary as Acting-Secretary, from October 15, 1889, to December 1, 1889, with interest and cost.....	175 85
Construction Account.		
13455.	Graves & Steers, piles.....	4,356 00
		<hr/> \$10,797 63

Respectfully submitted,  
I. SERGEANT CRAM, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
13426.	Spikes... ..	\$225 00
13427.	Potash, etc.....	21 00
13428.	Galvanized-iron wire guy rope.....	45 00
13429.	Services of tugs.....per hour	5 00
Analysis of coal tar.....		60 00



Register No.	For What.	Estimated Cost.
13431.	Spruce .....	\$30 00
13432.	Canal barrows, etc.....	198 00
13433.	Dead oil.....	150 00
13434.	Pulleys.....	20 00
13435.	Copper tacks, wire, etc.....	152 50
13436.	Rope.....	252 30
13437.	Iron work.....	2,058 50
13438.	Yellow pine.....	119 85
13439.	Disque Leclanché Battery.....	6 80
13440.	Lard oil, etc.....	60 00
13441.	Rip-rap stone.....per cubic yard	30
13442.	Spruce and white pine.....	101 00
13443.	Dredging.....	4,000 00
13444.	Leather belt.....	34 00
13445.	Repairs, etc., to transits.....	30 00

The Treasurer reported that he had received estimates for furnishing the Department with slow-setting Portland cement, piles, and iron work, as follows:

*500 Barrels Slow-setting Portland Cement.*

James Brand.....	\$1 99 per barrel.
Snclair & Babson.....	2 30 "
E. Thiele.....	2 09 "

*500 White Pine, Yellow Pine or Norway Pine Piles, 50 Feet to 60 Feet Long.*

	\$13 25 each.	\$9 00 each.	\$10 00 each.	\$14 50 each.
William Taylor.....	\$13 25 each.	\$9 00 each.	\$10 00 each.	\$14 50 each.
Alfred J. Murray.....	13 00 "	13 00 "	13 00 "	13 00 "
E. Mors & Co.....	15 00 "	15 00 "	15 00 "	15 00 "
Graves & Steers.....	19 50 "	15 25 "	16 00 "	18 50 "
W. H. Beard.....	19 60 "	15 50 "	16 25 "	18 75 "
C. N. Kimpland.....	13 50 "	13 50 "	13 50 "	13 50 "

*Iron Work.*

Greenlie, Wyatt & Co.....	\$1,918 00
Peter Timmes' Son.....	1,941 56
Theodore Smith & Bro.....	2,162 00
John Loyd.....	2,190 00
Robert Deeley & Co.....	2,660 00
Alexander Pollock.....	Informal.

The action of the Treasurer in awarding the orders to James Brand, William Taylor and Greenlie, Wyatt & Co., they being the lowest bidders, approved.

and the Engineer-in-Chief:

Report for the week ending July 29, 1893.

Submitting specifications and form of contract for preparing for and building a new dump on Pier, old 12, North river, approved, subject to the approval of the Counsel to the Board of Public Works and the Secretary directed to advertise for estimates.

Regarding the placing of a boat-house, float, etc., on land under water, belonging to the City, between One Hundred and Twenty-sixth street, and at the foot of One Hundred and Sixty-eighth street, North river. Notify said parties to obtain permit.

Regarding repairs required to the bulkhead between Piers, old 1 and new 1, North river. Referred to repair.

Regarding damage to the Battery Wharf by the ferry-boat "Schackamaxon." The Engineer-in-Chief directed to repair and report the cost for collection from John H. Starin.

Regarding that the permits granted the Glasco Ice Company for tally-house on bulkhead between One Hundred and Sixty-eighth street, North river, be revoked. Recommendation adopted.

Regarding Secretary's Order No. 9052—That it is not the intention of Charles B. Page to occupy the wharf between Eightieth and Eighty-first streets, North river, in accordance with the permit granted May 10, 1889. Permit revoked.

Regarding Secretary's Order No. 12990—As to the area of land under water belonging to the City, occupied by the boat-house of John Wagner, between One Hundred and Sixty-eighth street and Sixty-ninth streets, North river. Referred to the Treasurer.

Regarding Secretary's Order No. 13056—Submitting specifications and form of contract for preparing for and building a new dump on Pier, new 59, North river. Approved, subject to the approval of the Counsel to the Board of Public Works and the Secretary directed to advertise for estimates.

Secretary reported that the pay-roll for the month ending July 31, 1893, amounting to \$13,751.85, had been approved and audited and transmitted to the Finance Department for payment.

Regarding the Iron Steamboat Company, lessee of Pier, new 1, North river, was directed to remove said pier in accordance with the terms of its lease.

Whereupon, the following resolutions were unanimously adopted:

Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land between Duane street, extended, and Duane street, extended, on the North river, with granite or granite blocks, and to lay the necessary crosswalks, drains and appurtenances to the same, and that all the work hereby ordered be performed otherwise than by contract as provided in Section 714 of the New York City Consolidation Act of 1882, and that it be done by the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for and that all the materials, tools and implements necessary therefor now contracted for, or which may not hereafter be contracted for, be purchased by the Department otherwise than by contract.

Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land between Key street and Barclay street, North river, with granite or Staten Island syenite blocks, and lay the necessary crosswalks, drains and appurtenances to such pavement, and that all the work hereby ordered to be performed otherwise than by contract as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by ~~contract~~ except so much of the labor and material as is now or may hereafter be contracted for, and that the materials, tools and implements necessary therefor, and not heretofore contracted for which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the following resolution was adopted:

Resolved, That Commissioner White be and is hereby authorized to act as President in the absence of Commissioner Cram.

Commissioner Cram offered the following preambles and resolutions, which were unanimously adopted:

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Department of Parks of the City of New York is authorized to acquire by purchase, in the name and for the benefit of the Corporation of the City of New York, wharf property in said city, and all rights, terms, easements and privileges pertaining thereto, subject to the approval of the Commissioners of the Sinking Fund, and agree with such owners upon a price for the same, and in case of failure to agree upon a price, to initiate legal proceedings to acquire the same for the improvement of the water-front of said city; and

Whereas, The Board is desirous of acquiring in the name and for the benefit of the Corporation of the City of New York, all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises, between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue; and

Whereas, It appears that William T. Moore and the heirs of Mary C. Ogden are the owners in fee simple, with all its hereditaments, of the premises above named, including the riparian and wharfage rights;

Resolved, That this Board offers to purchase the said riparian and wharfage rights, with all its hereditaments, and pay for a good and sufficient title therefor, free from all incumbrances, the sum of three hundred and fifty dollars (\$350) per front foot, subject to the approval of the Commissioners of the Sinking Fund.

Resolved, That a copy of these preambles and resolutions be served upon Casimir de R. Moore, as agent and representative of William T. Moore and the heirs of Mary C. Ogden, and he be and hereby is requested, within ten (10) days from receipt thereof, to notify this Board in writing whether he will sell the said riparian and wharfage rights and interests as aforesaid to the Mayor, Aldermen and Commonalty of the City of New York, for the price above mentioned, and in the event that he shall fail to notify this Board of his willingness to so convey the respective riparian and wharfage rights and interests as aforesaid, it shall be deemed that no price can be agreed upon for the said rights and interests between the owners hereof and this Department.

On motion, O. P. Raynor was directed to remove all buildings or structures of any kind from the area of the water-grant made by the City to H. McCaddin on the 25th of September, 1867, which are within the lines of the marginal street, wharf or place, determined by the Department of Docks, October 13, 1887, and approved by the Commissioners of the Sinking Fund, December 19, 1887, which said wharf, street or place, extends 125 feet inshore from the pierhead and bulkhead line to the eastward of Third avenue. The terms of said grant reserve to the City so much of it as may form part of any street, avenue, road or bridge, that may be laid through said premises.

On motion, the Board adjourned to meet Monday, August 7, 1893, at 2 30 P M

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Cornelius Crowley, having been duly notified to appear before the Board and show cause why he should not be discharged for having been intoxicated while on the work at Canal street dump, July 21, 1893, appeared and was heard in his own behalf and admitted the truth of said charge.

On motion, said Crowley was discharged.

From the Engineer-in-Chief:

1st. Reporting the suspension of Laborer Michael McCready.

On motion, said McCready was notified to appear before the Board, Monday, August 7, 1893, at 2 30 P M., and show cause why he should not be discharged for making false statements to the officers of the Department.

2d. Reporting the suspension of Dennis O'Brien, Carpenter, and Acting Watchman.

On motion, said O'Brien was directed not to be assigned to duty as Acting Watchman for thirty days.

3d. Recommending that the compensation of Thomas Stayvesant, Captain of the 100-ton derrick, be fixed at the rate of \$30 per week, commencing August 5, 1893. Recommendation adopted.

On motion, the compensation of Joseph Crotty, Laborer, was fixed at the rate of \$65 per month; Bernard Gibney, Laborer, \$75 per month; Max Hahn, Laborer, 23 cents per hour, and James King, Boatman, 25 cents per hour.

The following persons were appointed:

*Laborers.*

John Hoffman.  
Francis J. Morgan.

William Silva.  
Thomas McKeon.

Charles W. Barney.  
William Shoveller.

*Dock Builders.*

1st.

John De Temple.  
John O'Connor.

Louis Bagley.  
Michael O'Connor.

Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Monday, August 7, 1893, at 2.30 P. M.

Present—President Cram.

" Commissioner Phelan.

Absent—" White.

The communication from the Department of Public Charities and Correction, requesting repairs to the dock near Ward's Island Hospital, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief:

Michael J. Kane—To fill-in on the property of Thomas Kane, on the south side of East Ninety-sixth street.

Brown & Fleming—To dredge at the dumping-boards at Pier 12, and foot of Jackson and Broome streets, East river.

M. G. & G. A. Wright—To make temporary repairs to the pile platform foot of One Hundred and Thirtieth street, west side of the Harlem river; the work to be kept within the existing lines.

The following communications were received, read and,

On motion, ordered to be placed on file:

From the Health Department—Complaining of the sanitary condition of the slip at Pier 41, North river.

From A. G. McComb—In reference to the building of the bulkhead wall between Piers, new 21 and 22, North river.

From William G. Horgan—Protesting against a revocation of the permit granted July 3, 1893, for the erection of a derrick on the bulkhead, between Sixtieth and Sixty-first streets, East river.

From Sheridan & Byrne, lessees—Requesting the Department to drive two piles at the Pier foot of East Fifth street, at their expense.

From the Engineer-in-Chief:

1st. Reporting damage on the 3d instant to the diving scow "S" by the tug "William H. Vanderbilt." The Engineer-in-Chief directed to repair and report cost for collection.

2d. Reporting repairs required to the bulkhead at and south of Thirty-seventh street, East river. Lessees and owners directed to repair.

3d. Reporting the placing of a float foot of One Hundred and Fifty-ninth street, Harlem river, without a permit. Notify the owner that a permit must be obtained.

Report on Secretary's Order 12989, as to the area of land under water covered by the boat-house foot of Lexington avenue, Harlem river. Referred to the Treasurer

Report on Secretary's Order No. 12941, submitting specifications and form of contract for dredging between Piers 4 and 5 and between Piers 53 and 54, East river. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders

No. 11688. Filling in at One Hundred and Second street, Harlem river

No. 12203. Building of a sewer about forty feet westerly of the westerly line of Twelfth avenue, between Fifth and Fifty-second streets.

No. 12463. Placing of a platform on the bulkhead between West Tenth and Perry streets.

No. 12474. Erection of a platform on the bulkhead south of Pier 43, East river.

No. 12661. Laying of a service pipe at Pier, new 59, North river.

No. 12673. Repairs to ferry premises between Willis and Alexander avenues, Harlem river

No. 12677. Repairs to ferry premises at Fulton street, East river.

No. 12685. Laying of water pipe at Pier, new 59, North river.

No. 12844. Erection of a small dock about a half mile south of Riverdale, North river.

No. 12944. Painting of a sign on the coal pocket on the Pier foot of West Thirty-fifth street.

No. 12984. Laying of a gas service-pipe at Pier, new 58, North river.

No. 12985. Building of a timber foundation within the lines of Pier 52, East river, and the construction thereon of a fifteen-ton hand pillar crane.

No. 12987. Repairs to ferry racks at Christopher street, North river.

No. 12996. Erection of a building to be used as a boarding-house by the contractor at Riker's Island.

No. 13002. Repairing a leak in the gas-pipe at Pier, new 38, North river.

No. 13013. Erection of a derrick on the bulkhead platform between Sixtieth and Sixty-first streets, East river

No. 13015. Driving of piles at the bulkhead between Seventy-eighth and Seventy-ninth streets, East river.

No. 13018. Dredging under and in front of transfer float at the south side of Pier foot of West Thirty-sixth street.

No. 13019. Repairs to Pier 11, North river.

No. 13020. Erection of a hoisting elevator about seventy-five feet south of One Hundred and Thirty-eighth street and Mott Haven Canal

No. 13023. Repairs to the bulkhead at One Hundred and Thirty-eighth street, easterly side of Mott Haven canal

No. 13027. Dredging at the dumping-board foot of East Eightieth street.

No. 13028. Dredging at the bulkhead foot of One Hundred and Sixth and One Hundred and Seventh streets, East river.

No. 13034. Laying of service pipe at the bulkhead between Piers, new 57 and 58, North river.

No. 13040. Driving of piles between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, east side of Mott Haven canal.



No. 13054. Repairs to the Pier foot of East Thirteenth street.

No. 13066. Cutting of two openings through the bulkhead between Piers 51 and 52, East river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12886. Repairs to Pier, new 6, East river.

No. 12911. Repairs to Pier, new 29, East river.

No. 12912. Repairs to Pier, new 32, East river.

No. 12916. Repairs to the Pier at West Fifty-second street.

No. 12977. Placed sign at the outer end of the Pier foot of West Nineteenth street.

No. 12998. Bored holes in the backing-log at the bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third streets, North river.

No. 13022. Painted fender-piles at Pier "A," North river.

No. 13031. Repaired approach to Piers, new 46 and 47, North river.

No. 13035. Repaired damage to barge "Lizzie K. Budd."

No. 13039. Made surveys of Piers 43 and 48, East river, for the Counsel to the Corporation.

The Engineer-in-Chief returned Secretary's Orders Nos. 12272, 12331, 12448, 12785, 12819, 12908, 13009 and 13055.

On motion, the Board adjourned to meet Thursday, August 10th 1893, at 2.30 P. M.

AUGUSTUS T. DOCHARTY, Secretary.

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The communication from the Engineer-in-Chief, reporting the suspension of Laborer Matthew Dwyer, was placed on file and said Dwyer discharged.

Michael McCready having been duly notified to appear before the Board and show cause why he should not be discharged, for making false reports to the officers of this Department, was present and admitted the charge.

On motion, said McCready was discharged.

The following person was appointed :

*Laborer.*

Gottlieb Lang.

The following person was discharged :

*Laborer.*

Matthew Dwyer.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

From the Engineer-in-Chief

1st. Report for the week ending July 29, 1893.

2d. Submitting specifications and form of contract for preparing for and building a new dumping board on Pier, old 42, North river, approved, subject to the approval of the Counsel to the Corporation as to form and the Secretary directed to advertise for estimates.

3d. Reporting the placing of a boat house, float, etc., on land under water, belonging to the City, at West One Hundred and Twenty sixth street, and at the foot of One Hundred and Sixty-second street, North river. Notify said parties to obtain permit.

4th. Reporting repairs required to the bulkhead between Piers, old 1 and new 1, North river. Lessees directed to repair.

5th. Reporting damage to the Battery Wharf by the ferry-boat "Schackamaxon." The Engineer-in-Chief directed to repair and report the cost for collection from John H. Starin.

6th. Recommending that the permits granted the Glasco Ice Company for tally-house on bulkhead at Fifteenth street, North river, be revoked. Recommendation adopted.

7th. Report on Secretary's Order No. 9052—That it is not the intention of Charles B. Page to place any further filling between Eightieth and Eighty first streets, North river, in accordance with permit granted May 16, 1889. Permit revoked.

8th. Report on Secretary's Order No. 12990—As to the area of land under water belonging to the City, occupied by the boat-house of John Wagner, between One Hundred and Sixty-eighth and One Hundred and Sixty-ninth streets, North river. Referred to the Treasurer.

9th. Report on Secretary's Order No. 13056—Submitting specifications and form of contract for dredging at Pier, new 59, North river. Approved, subject to the approval of the Counsel to the Corporation as to form and the Secretary directed to advertise for estimates.

The Secretary reported that the pay-roll for the month ending July 31, 1893, amounting to \$13,005 45, and the pay-rolls for the General Repairs and Construction force for the week ending July 28, 1893, amounting to \$13,751 85, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Iron Steamboat Company, lessee of Pier, new 1, North river, was directed to paint the shed on said pier in accordance with the terms of its lease.

On motion, the following resolutions were unanimously adopted:

Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land between Frankin street, extended, and Duane street, extended, on the North river, with granite or Staten Island syenite blocks, and to lay the necessary crosswalks, drains and appurtenances to such pavement, and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for and that all the materials, tools and implements necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.



Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land between Lee street and Barclay street, North river, with granite or Staten Island syenite blocks, and to lay the necessary crosswalks, drains and appurtenances to such pavement, and that all the work hereby ordered to be performed otherwise than by contract as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by its own force, except so much of the labor and material as is now or may hereafter be contracted for, and that the materials, tools and implements necessary therefor, and not heretofore contracted for which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

Thereupon, the following resolution was adopted:

Resolved, That Commissioner White be and is hereby authorized to act as President in the absence of Commissioner Cram.

Commissioner Cram offered the following preambles and resolutions, which were unanimously adopted:

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Department of Public Works of the City of New York is authorized to acquire by purchase, in the name and for the benefit of the Corporation of the City of New York, wharf property in said city, and all rights, terms, easements and privileges pertaining thereto, subject to the approval of the Commissioners of the Sinking Fund, and agree with such owners upon a price for the same, and in case of failure to agree upon a price to initiate legal proceedings to acquire the same for the improvement of the water-front of the City, and

Whereas, The Board is desirous of acquiring in the name and for the benefit of the Corporation of the City of New York, all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises, between Twenty-second and Twenty-third streets, North river, on the Southern Avenue, and

Whereas, It appears that William T. Moore and the heirs of Mary C. Ogden are the owners in fee simple, with all its hereditaments, of the premises above named, including the riparian and wharfage rights;

Resolved, That this Board offers to purchase the said riparian and wharfage rights, with all its appurtenances, and pay for a good and sufficient title therefor, free from all incumbrances, the sum of one hundred and fifty dollars (\$150) per front foot, subject to the approval of the Commissioners of the Sinking Fund.

Resolved, That a copy of these preambles and resolutions be served upon Casimir de R. Moore, as agent and representative of William T. Moore and the heirs of Mary C. Ogden, and he be and he is requested, within ten (10) days from receipt thereof, to notify this Board in writing whether he will sell the said riparian and wharfage rights and interests as aforesaid to the Mayor, Aldermen and Commonalty of the City of New York, for the price above mentioned, and in the event that he shall fail to notify this Board of his willingness to so convey the respective riparian and wharfage rights and interests as aforesaid, it shall be deemed that no price can be agreed upon for the said rights and interests between the owners thereof and this Department.

On motion, O. P. Raynor was directed to remove all buildings or structures of any kind from the area of the water-grant made by the City to H. McCaddin on the 25th of September, 1867, which are within the lines of the marginal street, wharf or place, determined by the Department of Docks, October 13, 1887, and approved by the Commissioners of the Sinking Fund, December 19, 1887, which said wharf, street or place, extends 125 feet inshore from the pierhead and bulkhead line to the eastward of Third avenue. The terms of said grant reserve to the City so much of it as may form part of any street, avenue, road or bridge, that may be laid through said premises.

On motion, the Board adjourned to meet Monday, August 7, 1893, at 2.30 P. M.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Cornelius Crowley, having been duly notified to appear before the Board and show cause why he should not be discharged for having been intoxicated while on the work at Canal street dump, July 21, 1893, appeared and was heard in his own behalf and admitted the truth of said charge.

On motion, said Crowley was discharged.

From the Engineer in Chief:

1st. Reporting the suspension of Laborer Michael McCready.

On motion, said McCready was notified to appear before the Board, Monday, August 7, 1893, at 2.30 P. M., and show cause why he should not be discharged for making false statements to the officers of the Department.

2d. Reporting the suspension of Dennis O'Brien, Carpenter, and Acting Watchman.

On motion, said O'Brien was directed not to be assigned to duty as Acting Watchman for thirty days.

3d. Recommending that the compensation of Thomas Stuyvesant, Captain of the 100-ton derrick, be fixed at the rate of \$30 per week, commencing August 5, 1893. Recommendation adopted.

On motion, the compensation of Joseph Crotty, Laborer, was fixed at the rate of \$65 per month; Bernard Gibney, Laborer, \$75 per month; Max Hahn, Laborer, 23 cents per hour, and James King, Boatman, 25 cents per hour.

The following persons were appointed:

*Laborers.*

John Hoffman.  
Francis J. Morgan.

William Silva.  
Thomas McKeon.

Charles W. Barney.  
William Shoveller.

*Dock Builders.*

James Carren.  
Patrick Nash.

John De Temple.  
John O'Connor.

Louis Bagley.  
Michael O'Connor.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Monday, August 7, 1893, at 2.30 P. M.

Present—President Cram.

" Commissioner Phelan.

Absent—" White.

The communication from the Department of Public Charities and Correction, requesting repairs to the dock near Ward's Island Hospital, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief:

Michael J. Kane—To fill-in on the property of Thomas Kane, on the south side of East Ninety-sixth street.

Brown & Fleming—To dredge at the dumping-boards at Pier 12, and foot of Jackson and Broome streets, East river.

M. G. & G. A. Wright—To make temporary repairs to the pile platform foot of One Hundred and Thirtieth street, west side of the Harlem river; the work to be kept within the existing lines.

The following communications were received, read and,

On motion, ordered to be placed on file:

From the Health Department—Complaining of the sanitary condition of the slip at Pier 41, North river.

From A. G. McComb—In reference to the building of the bulkhead wall between Piers, new 21 and 22, North river.

From William G. Horgan—Protesting against a revocation of the permit granted July 3, 1893, for the erection of a derrick on the bulkhead, between Sixtieth and Sixty-first streets, East river.

From Sheridan & Byrne, lessees—Requesting the Department to drive two piles at the Pier foot of East Fifth street, at their expense.

From the Engineer-in-Chief:

1st. Reporting damage on the 3d instant to the diving scow "S" by the tug "William H. Vanderbilt." The Engineer-in-Chief directed to repair and report cost for collection.

2d. Reporting repairs required to the bulkhead at and south of Thirty-seventh street, East river. Lessees and owners directed to repair.

3d. Reporting the placing of a float foot of One Hundred and Fifty-ninth street, Harlem river, without a permit. Notify the owner that a permit must be obtained.

Report on Secretary's Order 12989, as to the area of land under water covered by the boat-house foot of Lexington avenue, Harlem river. Referred to the Treasurer.

Report on Secretary's Order No. 12941, submitting specifications and form of contract for dredging between Piers 4 and 5 and between Piers 53 and 54, East river. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders.

No. 11688. Filling in at One Hundred and Second street, Harlem river.

No. 12203. Building of a sewer about forty feet westerly of the westerly line of Twelfth avenue, between Fiftheth and Fifty-second streets.

No. 12463. Placing of a platform on the bulkhead between West Tenth and Perry streets.

No. 12474. Erection of a platform on the bulkhead south of Pier 43, East river.

No. 12661. Laying of a service pipe at Pier, new 59, North river.

No. 12673. Repairs to ferry premises between Willis and Alexander avenues, Harlem river.

No. 12677. Repairs to ferry premises at Fulton street, East river.

No. 12685. Laying of water pipe at Pier, new 59, North river.

No. 12844. Erection of a small dock about a half mile south of Riverdale, North river.

No. 12944. Painting of a sign on the coal pocket on the Pier foot of West Thirty-fifth street.

No. 12984. Laying of a gas service-pipe at Pier, new 58, North river.

No. 12985. Building of a timber foundation within the lines of Pier 52, East river, and the construction thereon of a fifteen-ton hand pillar crane.

No. 12987. Repairs to ferry racks at Christopher street, North river.

No. 12996. Erection of a building to be used as a boarding-house by the contractor at Riker's Island.

No. 13002. Repairing a leak in the gas-pipe at Pier, new 38, North river.

No. 13013. Erection of a derrick on the bulkhead platform between Sixtieth and Sixty-first streets, East river.

No. 13015. Driving of piles at the bulkhead between Seventy-eighth and Seventy-ninth streets, East river.

No. 13018. Dredging under and in front of transfer float at the south side of Pier foot of West Thirty-sixth street.

No. 13019. Repairs to Pier 11, North river.

No. 13020. Erection of a hoisting elevator about seventy-five feet south of One Hundred and Thirty-eighth street and Mott Haven Canal.

No. 13023. Repairs to the bulkhead at One Hundred and Thirty-eighth street, easterly side of Mott Haven canal.

No. 13027. Dredging at the dumping-board foot of East Eightieth street.

No. 13028. Dredging at the bulkhead foot of One Hundred and sixth and One Hundred and Seventh streets, East river.

No. 13034. Laying of service pipe at the bulkhead between Piers, new 57 and 58, North river.

No. 13040. Driving of piles between One Hundred and Thirty-sixth and One Hundred and seventh streets, east side of Mott Haven canal.

No. 13054. Repairs to the Pier foot of East Thirteenth street.

No. 13066. Cutting of two openings through the bulkhead between Piers 51 and 52, East river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12886. Repairs to Pier, new 6, East river.

No. 12911. Repairs to Pier, new 29, East river.

No. 12912. Repairs to Pier, new 32, East river.

No. 12916. Repairs to the Pier at West Fifty-second street.

No. 12977. Placed sign at the outer end of the Pier foot of West Nineteenth street.

No. 12998. Bored holes in the backing-log at the bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third streets, North river.

No. 13022. Painted fender-piles at Pier "A," North river.

No. 13031. Repaired approach to Piers, new 46 and 47, North river.

No. 13035. Repaired damage to barge "Lizzie K. Budd."

No. 13039. Made surveys of Piers 43 and 48, East river, for the Counsel to the Corporation.

The Engineer-in-Chief returned Secretary's Orders Nos. 12272, 12331, 12448, 12785, 12819, 12908, 13009 and 13055.

On motion, the Board adjourned to meet Thursday, August 10th 1893, at 2.30 P. M.

AUGUSTUS T. DOCHARTY, Secretary.

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The communication from the Engineer-in-Chief, reporting the suspension of Laborer Matthew Dwyer, was placed on file and said Dwyer discharged.

Michael McCready having been duly notified to appear before the Board and show cause why he should not be discharged, for making false reports to the officers of this Department, was present and admitted the charge.

On motion, said McCready was discharged.

The following person was appointed :

*Laborer.*

Gottlieb Lang.

The following person was discharged :

*Laborer.*

Matthew Dwyer.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, August 10, 1893, at 2.30 P. M.

Present—President Cram.

“ Commissioner Phelan.

Absent— “ White.

The minutes of the meeting held on the 3d instant were read and approved.

The following permits were granted to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

Thomas E. Crimmins—To fill in behind the bulkhead wall between Twenty-third and Twenty-fourth streets, North river, compensation therefor to be paid at the rate of twenty cents per load.

Al Foster Steamboat Company—To run water-pipe on the Pier foot of West Forty-fourth street.

The following permit was granted, the work to be done under the supervision of the Engineer-in-Chief :

Manhattan Railway Company—To dredge at their dock foot of One Hundred and Twenty-ninth street, Harlem river.

The following permit was granted to continue only during the pleasure of the Board, compensation to be fixed by the Treasurer :

R. Haarmann—To retain float foot of One Hundred and Fifty-ninth street, Harlem river.

From the Department of Public Works—Stating that the space between the pavement on Thirteenth avenue and that laid by this Department between Twenty-fourth and Twenty-fifth streets, cannot be paved as requested July 27, 1893, except under an ordinance of the Common Council. The Engineer-in-Chief directed to prepare a survey and the Board of Aldermen requested to adopt the necessary ordinance.

From the Department of Street Cleaning :

1st. Requesting a list of streets and places for the cleaning of which said Department is not responsible. The action of the President in replying thereto approved.

2d. Requesting to be informed when street cleaning material may be deposited behind the crib-work at Riker's Island. The action of the Engineer-in-Chief in replying thereto approved.

From the New York Harbor Tow Boat Company—Respecting their application for permission to land at the Battery Wharf.

From the Wholesale Oyster Dealers—Requesting a revocation of the order of August 3, 1893, for dredging in the slip south of Pier, old 54, North river. Order revoked.



From the Iron Steamboat Company, lessee—Requesting an extension of one year in which to comply with the order of August 3, 1893, for painting the shed on Pier, new 1, North river. Application denied. Notify said company that if the work is not commenced within ten days from receipt of notice, it will be done by the force of the Department at their expense.

From the Cunard Steamship Company (Limited), lessee—Requesting dredging at Pier, new 40, North river. The Engineer-in-Chief directed to dredge under Treasurer's order, and prepare specifications and form of contract for the remainder of said work.

From Antonio Rasines and Thornton N. Motley, sureties under Contract No. 451—Consenting to the assignment of all moneys due on said contract to James M. Motley.

From Thomas Smith—Requesting an extension of time to August 8, 1893, for the completion of Contract No. 445, and inclosing the consent of the sureties to said extension.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the work of preparing for and laying pavement on the new-made land in the rear of the bulkhead wall at East Ninety-fourth street section on the East river and East One Hundred and Tenth street section on the Harlem river, Thomas Smith, contractor, under Contract No. 445, be and hereby is extended to August 8, 1893.

From Dock Master Coye—Reporting repairs required to Pier 19 and the entrance to Pier, new 29, East river. The Engineer-in-Chief directed to repair.

From Dock Master Martin—Reporting the sinking of the canal-boat "Julia," foot of One Hundred and Thirty-fifth street, North river. Notify owners to remove.

From the Treasurer—Reporting that he has been unable to collect from James Rodgers rent for the Pier foot of West One Hundred and Thirty-eighth street for the past nine months. Transmit said claim to the Counsel to the Corporation for collection.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending August 9, 1893, amounting to \$27,322.75, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Aug. 2	Union Stock Yard Co.....	1 qrs. rent, Pier at 58th street, N. R..	\$750 00		
" 2	B. F. Clyde.....	" E. ½ Pier 33, and W. ½ Pier 34 and bhd., E. R..	2,000 00		
" 2	James Gillies & Sons.....	" bhd. bet. 49th and 50th sts., N. R.....	87 50		

Auditing Committee presented an audit of twenty-two bills or claims, amounting to \$5, which were approved and audited and ordered to be spread in full on the minutes as

Construction Account.		
Name.		Amount.
car fares.....		\$180 88
accidentals.....		94 97
		<hr/> \$275 85

Annual Expense Account.		
car fares.....		35 64

Construction Account.		
James Brand, cement.....		\$4,131 82
Jaetjer & Meyerstein, cement.....		2,066 30
Johnson & Fleming, rip-rap.....		1,489 20
Alexander Pollock, engine rope, etc.....		2,165 82
J. Burnett, augers, etc.....		293 50
Graves & Steers, yellow pine, etc....		862 35
Hodgman Rubber Company, hose, etc.....		85 50
McNab & Harlin Manufacturing Company, ejectors.....		61 91
The American Forcite Powder Manufacturing Company, powder..		256 30
Perry & Popham Coal Company (Limited), coal.....		250 00
J. Henry Haggerty, oil.....		74 60
J. L. Schnyler & Co., lumber.....		119 85
William Gaskell & Son, bolts.....		53 13
Stokes & Thedford, coal.....		270 95
David Duncan & Son, coal.....		187 54
J. L. Steubner & Co., coal tubs, etc.....		272 00
		<hr/> 13,340 77

General Repairs Account.		
Thomas Kelly, services horse, cart, etc.....		406 00

Construction Account.		
Christian Lauer, Estimate No. 1, Contract No. 447.....		5,992 50

Acquired Property Account.		
William H. Clark, Counsel to the Corporation, searching titles, Langdon estate, etc.....		548 76

Respectfully submitted,  
ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

action of the President in transmitting the same with requisitions for the amount to the Department for payment approved.



The following requisitions were passed :

Register No.	For What.	Estimated Co
13446.	Covering boiler and pipes.....	\$110 00
13447.	Spruce.....per M.	21 00
13448.	Measuring tapes.....	142 00
13449.	Portland cement.....per bbl.	1 00
13450.	Galvanized wrought iron.....	518 00
13451.	Dredging.....	3,000 00
13452.	Dredging.....	1,350 00
13453.	Dredging.....	1,000 00
13454.	Machine bolts, etc.....	120 00
13455.	Cast-iron cleats.....per lb.	2 50
13456.	Roofing board.s.....	70 00
13457.	Merrill vices, etc.....	176 00
13458.	Machine bolts.....	75 00
13459.	Pickaxes, etc.....	149 00
13460.	Creosoted sewer staves.....	1,056 00
13461.	Spruce, yellow pine, etc.....	160 00
13462.	Window frames, doors, etc.....	45 00
13463.	Gunny bags.....	387 50
13464.	Portland cement.....	2,110 00
13465.	Stationery, etc.....	226 54
13466.	Yawl boat.....	70 00
13467.	Dredging.....per cubic yd.	20 00
Requisition No.		
610.	White wood, etc.....	

The Treasurer reported that he had received estimates for furnishing the Department with galvanized wrought iron, as follows :

Galvanized Wrought Iron.	
1. Alexander Pollock.....	\$425 09
2. Greenlie, Wyatt & Co.....	450 87
3. John Loyd.....	475 00
4. Peter Timmes' Son.....	535 98

The action of the Treasurer in awarding the order to Alexander Pollock, he being the lowest bidder, approved.

From the Engineer-in-Chief :

1st. Report for the week ending August 5, 1893.

2d. Reporting the failure to complete Contract No. 445, for paving at East Ninty-fourth street within the time specified in said contract.

On motion, the time was extended to August 8, 1893.

On motion, the Board adjourned to meet Wednesday, August 16, 1893, at 2.30 P. M.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The resignation of Crawford Mason, Laborer, was received and accepted, to take effect September 1, 1893.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Wednesday, August 16, 1893, at 2.30 P. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The following communications were tabled until September 5, 1893 :

From the Houston, West Street and Pavonia Ferry Railroad Company—Declining the offer of the 3d inst. to purchase its bulkhead rights between West Forty-second and Forty-third streets.

From the Engineer-in-Chief—Submitting specifications and form of contract for the removal of Pier, old 29, North river, the shed thereon, and dredging over the site of same.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Atlantic Transport Line—Requesting a lease of one of the largest of the new piers about to be constructed between West Eleventh and Twenty-third streets.

From the Riverside and Fort Lee Ferry Company—Requesting permission to rebuild the ferry structure and repair the ferry-racks foot of Manhattan street, North river. Permit granted, under the supervision of the Engineer-in-Chief, the work to be kept within existing lines.

From Daniel McCabe—Requesting permission to erect a shed about twenty feet long and to place a small office on the bulkhead between Piers 23 and 24, East river. Application denied.

From M. C. Dexter—Reporting damage to his swimming bath foot of West Thirty-fourth street, on the 14th inst., by the tug "Manhattan." The Engineer-in-Chief directed to examine and report.

From James R. Cuming, attorney—Requesting a copy of the preamble and resolutions adopted on the 3d instant, respecting the settlement of the suit of the Mayor, etc., vs. the Trustees of John Roach. Secretary directed to furnish same.

From the Cunard Steamship Company (Limited), lessee—Requesting immediate dredging at Pier, new 40, North river. Advise that the work has been ordered.

From Casimir de R. Moore, on behalf of William T. Moore and the heirs of Mary C. Ogden—Declining the offer of the Board of the 3d instant, to purchase the bulkhead between Twenty-second and Twenty-third streets, North river.

On motion, the following preambles and resolution were adopted :

Whereas, The Board on the 3d day of August, 1893, adopted preambles and resolutions offering to purchase in the name and for the benefit of the Corporation of the City of New York, in fee

ample, all riparian and wharfage rights and interests in or annexed to, or appurtenant to the premises, between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue ; and

Whereas, Said offer was, on the 7th day of August, 1893, served on Casimir de R. Moore, as agent and representative of William T. Moore and the heirs of Mary C. Ogden, owner in fee of above described premises ; and

Whereas, Said offer has been declined by said Casimir de R. Moore, under date of August 12, 1893 . and

Whereas, It is deemed that no price can be agreed upon between the owners of said property and this Department for the purchase thereof ; therefore be it

Resolved, That the Counsel to the Corporation of the City of New York be and he is hereby requested to institute legal proceedings for the immediate acquisition of said property, rights, terms, easements and privileges for the Mayor, Aldermen and Commonalty of the City of New York, as required by law, in such cases made and provided.

From Dock Master Abeel :

1st. Reporting a sunken canal-boat on the south side of Pier, new 39, North river. Owner directed to remove.

2d. Reporting repairs required to the pavement on the north side of Pier, new 40, North river. The Engineer-in-Chief directed to repair.

3d. Reporting that the filling has settled about twenty feet back from the bulkhead on the north side of Pier, new 40, North river. The Engineer-in-Chief directed to examine and report.

4th. Reporting repairs required to Pier, old 54, North river. The Engineer-in-Chief directed to repair, if necessary.

From Commissioners White and Phelan—Recommending that the compensation to be charged Manchester & Philbrick for the use of the bulkhead between East Ninety-fourth and Ninety-fifth streets, granted on the 3d instant, be fixed at the rate of \$1,500 per annum, payable at the end of each quarter to the Treasurer.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending August 16, 1893, amounting to \$40,101.51, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Aug. 8	Iron Steamboat Co.....	1 qrs. rent, Pier, new 1, N. R.....	\$8,775 00		
" 10	E. M. Van Tassel.....	" bhd. N. side of W. 11th st., N. R.....	462 50		
" 10	Ocean Steamship Co.....	" Pier, new 35, N. R.....	10,172 51		
" 10	" .....	" bhd. S. Pier, new 35, N. R.	225 00		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Aug. 11	N. Y. & Northern Ry. Co....	1 mos. rent, Pier 40, E. R.....	\$1,041 66		
" 11	Citizens' Steamboat Co.....	1 qrs. rent, Pier, new 46, N. R.....	8,379 35		
" 11	Horatio D. Mould.....	" pfm. W. side Pier 53, E. R.	31 25		
" 11	C. Herbert Diamond & Co...	Blue print plans bet. Christopher and 23d st., N. R.....	5 00		
" 12	Consolidated Gas Co....	Repairs to pavement, Jay st, N. R...	51 23		
" 15	National Steamship Co.....	1 qrs. rent, Pier, new 39, N. R.....	\$8,350 00	\$29,143 50	Aug. 12
" 15	George A. Woods.....	Wharfage, District No. 2, N. R.....	306 43		
" 15	Edward Abeel.....	" 4, " ....	392 21		
" 15	B. F. Kenney.....	" 6, " ....	177 28		
" 15	William B. Osborne.....	" 8, " ...	223 65		
" 15	James J. Fleming.....	" 10, " ....	122 26		
" 15	Thomas P. Walsh.....	" 12, " ....	27 50		
" 15	Henry A. Palmstine.....	" 1, E. R.....	101 31		
" 15	Charles S. Coye.....	" 3, " ....	314 69		
" 15	James A. Monaghan.....	" 5, " ....	222 89		
" 15	Joseph F. Meehan.....	" 7, " ....	309 19		
" 15	Maurice Stack.....	" 9, " ....	206 41		
" 15	James W. Carson.....	" 11, " ....	58 63		
" 15	John J. Martin.....	" 13, " ....	55 56		
				10,958 01	Aug. 16
			\$40,101 51	\$40,101 51	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty-eight bills or claims amounting to \$30,749.29, which was approved and audited, and ordered to be spread in full on the minutes, as follows :

Construction Account.		
Audit No.	Name.	Amount.
13478.	Martin B. Brown, printing, etc.....	\$537 67
13479.	Thomas C. Dunham, lead, etc.....	148 19
13480.	Heiperhausen Bros., towing.....	237 50
13481.	Bell Bros., spruce.....	107 25
13482.	Hodgman Rubber Company, rubber, cement, etc .....	39 25
13483.	Brown & Fleming, sand.....	289 92
13484.	Peter Timmes' Son, spike, etc.....	714 00
13485.	Hudson River Stone Supply Company, broken stone.....	1,319 50
		<u>\$3,393 28</u>

*General Repairs Account.*

Accts No.	Name.	Amount.
13486.	Charles Du Bois, dredging...	\$511 20
13487.	Wood & Robinson, spruce.....	839 97
		<u>\$1,351 17</u>

*Annual Expense Account.*

13488.	Martin B. Brown, printing.....	\$994 09
13489.	Consolidated Gas Company, gas.....	59 00
		<u>1,053 09</u>

*Construction Account.*

13490.	Thomas Smith, Estimate No. 1 and final Contract No. 445.....	\$7,100 00
13491.	B. S. Cronin. Estimate No. 1 and final Contract No. 442.....	3,069 90
13492.	James Baird, Estimate No. 4 and final Contract No. 398.....	8,070 89
13493.	Heiperhausen Bros., repairing boiler tug "Manhattan".....	1,290 00
13494.	The Metropolitan Telephone and Telegraph Company, telephone service.....	83 45
13495.	Milliken Bros., iron.....	289 90
13496.	Niles Tool Works, bolt header, etc.....	50 00
13497.	Charles Du Bois, dredging.....	984 80
13498.	Peter Timmes' Son, spike.....	889 00
13499.	James Brand, cement.....	981 23
13500.	Eppinger & Russell, sewer staves.....	519 66
13501.	G. L. Schuyler & Co., spruce, etc.....	101 02
13502.	William Gaskell & Son, nuts.....	75 00
13503.	Alexander Pollock, potash, etc.....	36 90
13504.	Stackpole & Bro., transit and repairs. ....	435 00
		<u>23,976 75</u>

*General Repairs Account.*

13505.	Thomas Smith, paving.....	975 00
		<u>\$30,749 29</u>

Respectfully submitted,

ANDREW J. WHITE, {  
JAMES J. PHELAN, { Auditing Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The Treasurer reported that he had received estimates for furnishing the Department with Portland cement and broken stone, as follows :

*1,000 Barrels Slow-setting Portland Cement.*

Baetjer & Meyerstein.....	per barrel	\$1 93
James Brand.....	"	1 97
Sinclair & Babson.....	"	2 30

About 1,000 Cubic Yards of Broken Stone.

H. P. Sheridan.....	per cubic yard	\$1 30
Hudson River Stone Supply Company.....	"	1 32
Brown & Fleming.....	"	1 35

The action of the Treasurer in awarding the orders to Baetjer & Meyerstein and H. P. Sheridan, they being the lowest bidders, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13468.	Steam-pipe and fittings.....	\$80 00
13469.	White oak, etc.....	114 00
13470.	Rubber tubing.....	10 50
13471.	Rubber hose.....	210 00
13472.	Broken stone.....per cubic yard	1 31
13473.	Rip-rap stone....."	32
13474.	Sand....."	67
13475.	Hackmatack knees.....	152 00
13476.	Spruce.....	185 00
13477.	Cocoa-nut brooms.....	48 00
13478.	Iron, steel, etc.....	
13479.	Bagging sheets.....	200 00
13480.	Dredging.....	200 00
13481.	White pine.....	33 25
13482.	Dredging.....	950 00
13483.	Lithograph.....	
13484.	Anchors.....	165 00
13485.	Broken stone.....	2,660 00
13486.	Kerosene.....	27 50
13487.	Services of horse, cart and driver.....per day	3 50
13488.	Services of tugs....." hour	5 00
13489.	Naphtha.....	40 00
13490.	Naphtha.....	36 00
13491.	Drilling, cast-iron, etc.....	27 00
13492.	Spruce boards.....	109 00
13493.	Spruce plank.....	594 00
13494.	Services of tugs.....per hour	5 00
13495.	Tar, etc.....	21 00
13496.	Oak piles.....per lineal foot	25
13497.	Yellow pine.....	14,189 50
13498.	Services of horse, cart and driver.....	105 00

From the Engineer-in-Chief :

1st. Report for the week ending August 12, 1893.

2d. Submitting a list of old material and recommending that it be sold at public auction.

On motion, the following resolution was adopted :

Resolved, That Van Tassell & Kearney, auctioneers, on behalf of this Board, be and hereby are authorized and directed to offer for sale at public auction, at various places on the East river, Wednesday, August 30, 1893, commencing at 10 o'clock A. M., certain old material, as recommended by the Engineer-in-Chief.

3d. Recommending that he be directed to prepare plans and specifications for a new pier at East Ninety-sixth street, East One Hundredth street and West Fifty-fourth street. Recommendation adopted.

4th. Reporting repairs required to the pavement on the new-made land, between West Tenth and Canal streets. The Engineer-in-Chief directed to repair.

5th. Recommending that the lessee be directed to repair the Pier at One Hundred and Seventeenth street, Harlem river. Recommendation adopted ; and in case repairs to said pier are not made at once, the Engineer-in-Chief directed to do said work, at the expense of the lessee.

6th. Reporting repairs required to the Pier at West Forty-fourth street. The Engineer-in-Chief directed to make temporary repairs and to prepare specifications and form of contract for making thorough repairs to said pier.

7th. Report on Secretary's Order No. 13070—Respecting the application of McDermott & Co., of the 3d instant, for a reduction of rent of the Pier at One Hundred and Twenty-ninth street, North river. Referred to the Treasurer.

8th. Report on Secretary's Order No. 13081—As to the repairs required to the Hospital Dock, Ward's Island. The Engineer-in Chief directed to repair.

9th. Report on Secretary's Order No. 13092—Recommending that the lessee be directed to dredge the half slip adjoining the south side of Pier, new 41, North river, to the same depth and at the same time as the dredging is done by the Department in the half slip adjoining the north side of Pier, new 40, North river. Recommendation adopted. The Secretary directed to notify the Delaware, Lackawanna and Western Railroad Company, lessee.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending August 11, 1893, amounting to \$13,456.53, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned to meet Wednesday, August 30, 1893, at 11 o'clock A. M.

AUGUSTUS T. DOCHARTY, Secretary.



**AUGUST 16, 1893.]**

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**The Board then met in executive session.**

**The communication from the Engineer-in-Chief recommending that his action in suspending Dock Builder James Smith No. 3 for thirty days was approved and recommendation adopted.**

**Robert Heaton, Laborer, was discharged, to take effect August 17, 1893.**

**Harry Walls was appointed a Laborer, with compensation at the rate of \$65 per month.**

**On motion, George Murphy was appointed a Laborer.**

**On motion, the Board adjourned.**

**AUGUSTUS T. DOCHARTY, Secretary.**

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Wednesday, August 30, 1893, at 11 o'clock A. M.

Present—Commissioner Phelan.

" " White.

Absent—President Cram.

The Board met for the purpose of receiving estimates for furnishing sawed yellow pine timber under Contract No. 456, a representative of the Comptroller being present.

Four estimates were received on Contract No. 456, as follows :

1st. Yellow Pine Company, with security deposit, \$800.....	\$28 45 per M.
2d. H. M. Loud, " 800.....	26 95 "
3d. Thornton N. Motley, " 800.....	27 00 "
4th. Graves & Steers, " 800.....	29 10 "
	<u>          </u>

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the contract opened this day, for furnishing sawed yellow pine timber under Contract No. 456, be and hereby is awarded to H. M. Loud, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

The minutes of the meetings held on the 3d, 7th, 10th and 16th instants were read and approved.

Simon Stevens appeared in reference to his communication of the 29th instant, suggesting that the Counsel to the Corporation be requested to prepare the form of contract for the purchase of 224 feet of bulkhead on South street, next northerly of Old Slip, in accordance with the resolution adopted May 11, 1893.

On motion, said communication, together with the letter from the Counsel to the Corporation, were referred to Commissioner White.

The following communications were tabled :

From the Engineer-in-Chief—Reporting that the ten-ton derrick is in need of extensive repairs.

From Osson P. Raynor—Requesting permission to maintain floats and boat-houses on the property of Henry Hart, between Third and Lexington avenues, Harlem river.

From the Engineer-in-Chief—Submitting specifications and form of contract for the removal of Pier, old 29, the structures thereon and dredging over site of same on North river.

The communication from the Occident Dock Company, inclosing the complaint of E. Co. of a nuisance at Pier, new 60, North river, was referred to the Health Department.

The following communications were referred to the Engineer-in-Chief to examine and

From the Old Colony Steamboat Company—Requesting permission to extend the pier on Pier, old 28, North river, in accordance with plans and specifications submitted.

From James M. Motley, assignee of John Cox—Requesting an extension of ten days completion of the work of paving under Contract No. 451.

From the Department of Public Charities and Correction :

1st. Requesting repairs to the bulkhead foot of East Twenty-sixth street.

2d. Stating that the specifications for the building of a new bulkhead adjoining the Stone Dock, Blackwell's Island, under Contract No. 442, are insufficient.

From the Department of Street Cleaning :

1st. Requesting dredging at the Pier foot of West Nineteenth street.

2d. Requesting to be informed as to the number of loads of sweepings dumped at the West Thirtieth Street Dump on the 15th and 16th instants.

3d. Requesting that a record be hereafter kept of the number of loads dumped at Street Cleaning Dumps, together with the date of delivery and the location of the dump.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief and to be kept within the existing lines :

Henry Keteltas, trustee—To replace fender-piles in front of the bulkhead at East street and Cherry street.

Maurice Featherson—To unload two scow loads of sand at the Pier foot of Jackson street and North river.

New York Mutual Gas-light Company—To drive eight piles and repair the south side of the bulkhead foot of East Twelfth street.

New York and Northern Railroad Company—To drive piles at west side of Pier 3, North river.

James Cruikshank, agent—To replace ten piles at Pier 3, East river.

Nassau Ferry Company—To replace fifteen piles at Houston Street Ferry.

The following permits were granted, to continue only during the pleasure of the Board of Engineers, the work to be done under the supervision of the Engineer-in-Chief :

William G. Horgan—To erect a temporary derrick on the bulkhead between Sixty and Sixty-first streets, East river.

Cornell, Hiscox & Underhill—To run an eight-inch pipe at the bulkhead foot of East Thirty-third street.

motion, ordered to be placed on file, viz. :

from the Counsel to the Corporation—Inclosing check for \$40 in settlement of the claim of the tug “G. W. Pride” for damage to the Pier at West Fiftieth street, submitted January

from the Finance Department—Stating that the agreement of the sureties to the assignment of Contract No. 445 by Joseph Moore to Thomas Smith, should be filed in that office.

from the Health Department—Requesting dredging at the berth of the steamer “Franklin” at North Brother Island. The Engineer-in-Chief directed to make requisition.

from the Department of Street Cleaning—Requesting repairs to the dump at Pier 12, East

on motion, a permit was granted said Department to make the necessary repairs, the work to be under the supervision of the Engineer-in-Chief.

from James Baird—Inclosing the consent of the sureties to the extension of Contract No. 398.

from the Brooklyn and New York Ferry Company—Stating that the repairs ordered to Pier 12, East river, will receive immediate attention.

from James Arkell & Co., agents—Requesting a lease of a new pier to be built in the neighborhood of West Eleventh street.

from Edward McCrimlisk—Requesting the privilege of filling in behind the bulkhead wall between Rivington and Stanton streets, East river. Application denied.

from the Iron Steamboat Company, lessee—Requesting a modification of the order of the 2d

From the White Star Line—Respecting the repairs to the pavement at the bulkhead between Piers, new 44 and 45, North river. The Secretary directed to reply.

From the Central Railroad Company of New Jersey—Requesting a lease of the Pier foot West Fifteenth street, when completed.

On motion, said pier was ordered to be included in the public sale to be held Wednesday September 20, 1893.

From John D. and Thomas E. Crimmins—Offering to sell to the city 231 feet 6 inches of bulkhead between Twenty-sixth and Twenty-seventh streets, North river.

On motion, the following preambles and resolutions were adopted :

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Department of Docks of the City of New York, is authorized to acquire by purchase, in the name and for the benefit of the Corporation of the City of New York, wharf property in said city, and all rights, terms, easements and privileges pertaining thereto, subject to the approval of the Commissioners of the Sinking Fund, and agree with such owners upon a price for the same and in case of failure to agree upon a price, to initiate legal proceedings to acquire the same for the improvement of the water-front of said city ; and

Whereas, The Board is desirous of acquiring, in the name and to the benefit of the Corporation of the City of New York, all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises bounded easterly by the Twelfth avenue, northerly by the centre line of what was formerly known upon the map or plan of the City of New York as Ninety-seventh street, southerly by Ninety-sixth street, and westerly by the bulkhead-line as established by the Harbor Commissioners, in the Hudson river, which premises were conveyed by the Mayor, Aldermen and Commonalty of the City of New York to Peter B. Amory, by deed dated December 27, 1865, and recorded in the office of the Register of the City and County of New York, in Liber 1173 of Conveyances, page 168 ; together with all rights in the lands and lands under water, as riparian owner or otherwise, lying to the west of the easterly line of Twelfth avenue ; and

Whereas, It appears that John D. and Thomas E. Crimmins are the owners in fee simple, with all its hereditaments of the premises above named, including the riparian and wharfage rights ;

Resolved, That this Board offers to purchase the said riparian and wharfage rights, with all their hereditaments, and pay for a good and sufficient title therefor, free from all incumbrances, the sum of ninety-six thousand dollars (\$96,000), subject to the approval of the Commissioners of the Sinking Fund.

Resolved, That a copy of these preambles and resolutions be served upon John D. and Thomas E. Crimmins, and they be and are hereby requested, within ten days from receipt thereof, to notify this Board in writing whether they will sell their said riparian and wharfage rights and interests as aforesaid, to the Mayor, Aldermen and Commonalty of the City of New York for the price above mentioned.

James R. Cuming, attorney—Requesting that the permit granted August 3, 1893, to certain wharf property between East Eighth and Tenth streets, be amended by substituting names of John B. Roach and William M. McPherson, executors, in place of George W. Quintard and George E. Weed, assignees, etc.

Resolution, the said preambles and resolutions were amended so as to read as follows :

Resolved, A communication was received August 2, 1893, from the Counsel to the Corporation, containing an offer made by Vanderpoel, Cuming & Goodwin, attorneys for the settlement of the suits of the Mayor, etc., against George W. Quintard and George E. Weed, assignees and trustees of John B. Roach, and the Mayor, etc., against Emeline Roach ;

Resolved, That the Counsel to the Corporation be and is hereby requested to finally settle all suits growing out of the above-mentioned suits, provided no leases be granted, simply permits the pleasure of the Board ;

Resolved, That permission be and hereby is granted to John B. Roach and William F. McPherson, executors of the last will and testament of John Roach, deceased, to use and occupy during the pleasure of the Board, subject to the approval of the settlement by the Counsel to the Corporation, the Pier at foot of East Ninth street, the south half of the Pier at the foot of East Tenth street, and the bulkhead between said piers (being a part of Mangin street), compensation therefor at the rate of one hundred and eighty-seven dollars and fifty cents (\$187.50) per month, payable at the end of each month to the Treasurer of this Department, commencing August 1, 1893.

Resolved, That permission be and hereby is granted Emeline Roach to use and occupy during the pleasure of the Board, subject to the approval of the settlement by the Counsel to the Corporation, the north half of the Pier foot of East Eighth street, compensation to be paid therefor at the rate of sixty-two dollars and fifty cents (\$62.50) per month, payable at the end of each month to the Treasurer of this Department, commencing August 1, 1893.

From Dock Master Walsh—Reporting repairs required to the bulkhead between Seventy-ninth and Eightieth streets, North river. The Engineer-in-Chief directed to examine and report.

From Dock Master Meehan—Requesting an office for his use foot of East Twenty-fourth street, desk and two chairs. The Engineer-in-Chief directed to furnish same.

From Dock Master Woods :

- 1st. Reporting damage to the bracing-pile east of the Battery wharf by the steamboat “ Elberon.” The Engineer-in-Chief directed to repair and report the cost for collection.
- 2d. Reporting repairs required to the new-made land in front of Pier, new 23, North river. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Abeel :

- 1st. Reporting a break in the sewer-box under Pier, new 40, North river. The Engineer-in-Chief directed to repair.
- 2d. Reporting repairs required to the roof of the Dock Master's office foot of Barrow street, North river. The Engineer-in-Chief directed to repair.
- 3d. Reporting a leak in one of the small water-pipes at the bulkhead foot of West Tenth street. The Engineer directed to repair if necessary.

From Van Name Brothers—Stating that the water-pipe reported as leaking at the bulkhead at West Tenth street does not belong to them ; in consequence of a subsequent report by the Dock Master.

On motion, the Engineer-in-Chief was directed to examine and if necessary repair.

From the Secretary :

- 1st. Report for the quarter ending July 31, 1893. Transmit the same to his Honor the Mayor.
- 2d. Report of the tonnage of vessels berthed for the month ending July 31, on the North, East and Harlem rivers, as directed by the Board, May 2, 1893.

On motion, it was ordered to be spread in full on the minutes, as follows :

<i>North River.</i>		
Foreign .....	267,675	
Domestic .....	1,433,077	
	<hr/>	1,700,752
<i>East River.</i>		
Foreign .....	35,088	
Domestic .....	558,513	
	<hr/>	593,601
<i>Harlem River.</i>		
Foreign .....	817	
Domestic .....	17,277	
	<hr/>	18,094
Total .....		<hr/> <hr/> 2,312,447

The Treasurer, Commissioner Phelan, submitted his report of receipts for the weeks ending August 23 and 30, 1893, amounting to \$58,338.99, which was received and ordered to be spread in on the minutes, as follows :

18	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
					1893.
19	Maine Steamship Co.....	1 qrs. rent Pier, old 38, and ½ bhd., E. R.....	\$3,000 00		
19	" .....	" l. u. w., for pfm. adj. W. side Pier 38, E. R.....	99 63		
19	Hartford & N. Y. Transfer Co.	" E. ½ Pier 24 and bhd., E. R.	1,625 00		
21	N.Y.C. & H. R.R. Co....	" E. ½ Pier 4, E. R.....	1,100 00		
21	" .....	" bhd. and pfm., bet. Piers 4 and 5, E. R.....	275 00		
21	" .....	" bhd. bet. Piers 5 and 6, E. R.....	275 00		
21	" .....	" Pier 5, E. R.....	4,125 00		
21	" .....	" Pier 6, E. R.....	2,200 00		
21	" .....	" l. u. w., pfm. bet. Piers, old 25 and 27, N. R.....	787 50		
21	" .....	" l. u. w., pfm. bet. Piers, old 27 and 28, N. R.....	537 38		
21	" .....	" Pier, 36th st., N. R.....	3,750 00		
21	" .....	" Pier, new 63, N. R., and bhs .....	3,750 00		
21	" .....	" Pier, new 61, N. R.....	5,000 00		
21	" .....	" Pier, new 62, N. R.....	5,000 00		
21	" .....	" l. u. w. at 59th st., N. R....	700 00		
21	" .....	" S. ½, bhd. foot of 60th st., N. R .....	15 00		
21	" .....	" l. u. w., bet. 60th and 65th sts., N. R.....	1,500 00		
21	" .....	" l. u. w., bet. 65th and 72d sts., N. R.....	5,250 00		
21	" .....	" bhd. and float N. Pier, new 63, N. R.....	250 00		
21	" .....	" l. u. w., extension to Piers, old 25 and 27, N. R.....	1,000 00		
22	Corporation Counsel.....	Repairs to 50th st. Pier, N. R., damaged by tug "G. W. Pride".....	640 00	\$40,239 51	Aug. 22
22	George A. Woods.....	Wharfage, District No. 2, N. R.....	1,402 51		
22	Edward Abeel.....	" 4, " .....	224 38		
22	B. F. Kenney .....	" 6, " .....	180 40		
22	William B. Osborne.....	" 8, " .....	183 90		
22	James J. Fleming.....	" 10, " .....	171 95		
22	Thomas P. Walsh.....	" 12, " .....	62 50		



DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893
Aug. 22	Henry A. Palmstine.....	Wharfage District No. 1, E. R.....	\$104 50		
" 22	Charles S. Coye.....	" 3, " .....	130 56		
" 22	James A. Monaghan .....	" 5, " .....	225 84		
" 22	Joseph F. Meehan.....	" 7, " .....	111 00		
" 22	Maurice Stack.....	" 9, " .....	116 46		
" 22	James W. Carson.....	" 11, " .....	54 91		
" 22	John J. Martin.....	" 13, " .....	42 50		
" 24	William J. Clark.....	1 mos. rent l. u. w., pfm. S. Pier 43, E. R. ....	\$16 30	\$3,051 41	Aug.
" 25	Bernard Campbell.....	1 qrs. rent Pier at 16th st., N. R.....	250 00		
" 25	" .....	6 mos. rent bhd. foot 137th st., H. R...	100 00		
" 28	Brooklyn & N. Y. Ferry Co...	1 qrs. rent bhd. foot 22d st., E. R.....	37 50		
" 29	Central R. R. of N. J.....	" l. u. w., pfm. S. side Pier 8, N. R.....	375 00		
" 29	" .....	" l. u. w., pfm. bet, Piers 12 and 13 and 13 and 14, N. R.....	400 00		
" 29	" .....	" N. ½ Pier 12 and bhd. bet. Piers 12 and 13, N. R.....	2,750 00		
" 29	" .....	" Pier 13 and bhd. S., N. R.	6,000 00		
" 29	" .....	1 mos. rent S. ½ Pier 14 and bhd. bet. Piers 13 and 14, N. R...	1,437 50		
" 29	" .....	" S. Pier 14 and bhd. bet. Piers 13 and 14, N. R...	1,437 50		
" 29	George A. Woods.....	Wharfage, District No. 2, N. R.....	164 32		
" 29	Edward Abeel .....	" 4, " .....	401 99		
" 29	B. F. Kenney.....	" 6, " .....	226 55		
" 29	William B. Osborne.....	" 8, " .....	166 98		
" 29	James J. Fleming .....	" 10, " .....	238 17		
" 29	Thomas P. Walsh .....	" 12, " .....	45 07		
" 29	Henry A. Palmstine .....	" 1, E. R. ....	72 96		
" 29	Charles A. Coye.....	" 3, " .....	154 60		
" 29	James A. Monaghan.....	" 5, " .....	215 45		
" 29	Joseph F. Meehan.....	" 7, " .....	148 63		
" 29	Maurice Stack.....	" 9, " .....	284 22		
" 29	James W. Carson.....	" 11, " .....	82 19		
" 29	John J. Martin.....	" 13, " .....	43 14		
			\$58,338 99	15,048 07	Aug.
				\$58,338 99	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of thirty-three bills or claims, amounting to \$12,911.03, which were approved and audited and ordered to be spread in full on the minutes, as follows:

*Construction Account.*

<i>Am't No.</i>	<i>Name.</i>	<i>Amount.</i>
13506.	John W. Flaherty, Estimate No. 2, Contract No. 434.....	\$4,493 75
13507.	New York News Publishing Company, advertising....	18 00
13508.	The "Sun," advertising.....	212 80
13509.	New York News Publishing Company, advertising.....	116 70
13510.	The "Sun," advertising.....	135 20
13511.	Brown & Fleming, cobble stone.....	1,706 80
13512.	American Forcite Powder Manufacturing Company, powder.....	355 00
13513.	H. A. Rogers, galvanized iron.....	214 03
13514.	John A. Bouker, cobble stone.....	1,492 50
13515.	F. W. Devoe and C. T. Raynolds Company, tapes.....	142 32
13516.	John Loyd, castings.....	44 80
13517.	J. Henry Haggerty, oil.....	27 78
13518.	Baetjer & Meyerstein, cement.....	2,597 59
13519.	Carroll Box and Lumber Company, pine.....	169 33
13520.	Willson, Adams & Co., yellow pine.....	1,072 51
13521.	Alexander Pollock, belts, nails, etc.....	169 82
13522.	Alfred J. Murray, piles.....	233 91
13523.	J. H. Bunnell & Co., battery, etc.....	5 80
13524.	Abraham Steers, spruce.....	28 50
13525.	H. & H. Murray, coke.....	10 50
13526.	Martin B. Brown, printing.....	655 25
13527.	Martin B. Brown, printing.....	237 50
		<hr/>
		\$14,140 39

*General Repairs Account.*

13528.	Morris & Cumings Dredging Company, dredging.....	\$947 34
13529.	Graves & Steers, piles.....	796 41
		<hr/>
		1,743 75

*Annual Expense Account.*

13530.	Martin B. Brown, printing.....	356 25
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*Construction Account.*

13531.	W. D. Wheelwright and Charles Hewitt, Estimate No. 1, Contract No. 448.....	\$5,117 58
13532.	Alfred J. Murray, piles.....	18,152 50
13533.	Graves & Steers, yellow pine.....	1,101 08
13534.	Peter Timmes' Son, spikes, etc.....	1,240 11
13535.	John Early & Co., oakum, etc.....	390 00

Audit No.	Name.	Amount.
13536.	Martin B. Brown, stationery .....	\$66 83
13537.	Willson, Adams & Co., yellow pine.....	389 04
		————— \$26,457 14

General Repairs Account.

13538.	Edward McKeever, service horse, cart, etc.....	213 50
		—————
		\$42,911 03
		—————

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13499.	Yellow pine.....per M	\$19 00
13500.	Spruce piles.....	10,365 00
13501.	White oak piles.....per lineal foot	23
13502.	White oak timber.....per M	34 90
13503.	Galvanized-iron wire rope.....	20 00
13504.	Dredging.....	950 00
13505.	Egg coal.....	250 00
13506.	White oak fenders, etc.....	1,020 00
13507.	Creosoted yellow pine.....	2,303 75
13508.	Oils and putty.....	156 50
13509.	Rope, etc.....	805 00
13510.	Spruce .. ..per M	21 00
13511.	Sprinkling.....	196 00
13512.	Repairs to pile driver engine.....	35 00
13513.	Gelatine and exploders.....	217 00
13514.	Screw-bolts, spike, etc.....	1,747 77
13515.	Cleats, washers, etc.....	197 38
13516.	Washers.....	133 41
13517.	Repairs to naphtha launch.....	103 00
13518.	Autographic paper.....	25 00
13519.	Paving.....	458 00

The Treasurer reported that he had received estimates for furnishing the Department with broken stone, white oak piles, spruce piles and white oak fenders :

*About 2,000 Cubic Yards Broken Stone.*

Bouker Contracting Company.. . . . .	\$1 27½ per cubic yard.
Hudson River Stone Supply Company.....	1 28           “
Brown & Fleming .....	1 35           “

*About 60 White Oak Piles, 45 to 65 feet.*

Graves & Steers.....	21½ cents per lineal foot.
Alfred J. Murray.....	22           “           “

*About 947 Yellow, White or Norway Pine, or Cypress Piles.*

Alfred J. Murray.....	\$7,768 00
W.H. Beard.....	10,417 00
William Taylor.....	11,364 00
C. N. Kimpland.....	10,077 75
Graves & Steers.....	13,590 00
E. Mors & Co....	10,265 00

*About 100 White Oak Piles, 60 to 65 feet.*

Alfred J. Murray.....	22 cents per lineal foot.
Graves & Steers.....	28           “           “

*140 Oak Fenders and 25 Oak Piles, 45 to 50 feet.*

Graves & Steers.....	\$868 62
William Taylor.....	878 75
Alfred J. Murray .....	1,025 85

The action of the Treasurer in awarding the orders to Bouker Contracting Company, Graves & Steers, and Alfred J. Murray, they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Report for the quarter ending July 31, 1893. Transmit said report to his Honor the Mayor.

2d. Reports for the weeks ending August 19 and 26.

3d. Recommending that repairs be made to the bulkhead between Seventy-fifth and Seventy-ninth streets, North river, the boat-landing at Pier “A,” and the sheathing on the Piers foot of West Forty-seventh and Fiftieth streets. Recommendation adopted.

4th. Recommending that the owners be directed to repair the pavement in front of the crib-bulkhead south of West Fourteenth Street Ferry. Recommendation adopted.

5th. Recommending that the owners of the north half of Pier 57, East river, be directed to repair same, in conjunction with repairs to be made to the south half of said pier by the force of the Department. Recommendation adopted.

6th. Recommending that the time for the completion of Contract No. 436 be extended to August 21, 1893.

On motion, the following resolution was adopted:

Resolved, That the time for the completion of the deliveries of granite stones for bulkhead or river wall under Contract No. 436, Henry S. Laipher, contractor, be and hereby is extended to August 21, 1893.

7th. Recommending that unless the purchaser of the old concrete mixer, now lying at the foot of East Twenty-fifth street, remove the same within ten days, it be placed in the Department scrap-heap for sale. Recommendation adopted.

8th. Recommending that an order be issued to Dock Masters to prevent shippers and consignees from leaving portions of their cargo or refuse upon piers and bulkheads. Recommendation adopted.

9th. Report on Secretary's Order No. 13065, as to the cost of dredging the material dumped by the Barney Dumping Boat Company in the sap foot of East Fortieth street. The Treasurer authorized to collect.

10th. Report on Secretary's Order No. 13087, as to the cost of repairing divers' scow "S," damaged by the tug "William H. Vanderbilt." The Treasurer authorized to collect from John H. Starn.

11th. Report on Secretary's Order No. 13122, as to the dredging required at the dumping-board foot of West Nineteenth street. The Engineer-in-Chief directed to make requisition for dredging.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders:

No. 12933. Repairs to the upper and lower dock on the west side of Hart's Island.

No. 12952. Repairs to Pier at West Fifty-sixth street.

No. 12963. Repairs to Pier 61, East river.

No. 12975. Repairs to the railing on the bulkhead at One Hundred and Twenty-ninth street, Harlem river.

No. 13010. Repairs to Pier 44, East river.

No. 13011. Repairs to Piers at Seventy-fifth and Seventy-sixth streets, East river.

No. 13024. Erection of fence at the bulkhead at West Thirty-ninth street.

No. 13017. Repairs to the Pier at Riker's Island.

No. 13025. Repairs to the pavement at Pier, new 38, North river.

No. 13043. Repaired the leak in the water pipe at Pier, new 43, North river.

No. 13053. Making of connection between the approach at West Thirty-fourth street and the pavement on Twelfth avenue.

No. 13067. Tested one barrel of cement La Baetjer & Meyerstein.

No. 13096. Repairs to the entrance of Pier, new 29, East river.

No. 13105. Repairs to the pavement on the north side of Pier, new 40, North river.

No. 13127. Repaired Dock Master's office at Pier, new 43, North river.

No. 13135. Repaired the bulkhead at Ninety-sixth street, North river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders

No. 12508. Erection of a fence along the northerly line of Ninety-sixth street, from the bulkhead to Twelfth avenue, on Twelfth avenue, between Ninety-sixth and Ninety-seventh streets, and on the south side of Ninety-seventh street, from Twelfth avenue to the bulkhead.

No. 12778. Erection of a retaining wall westerly side of the Bronx river, at West Farms.

No. 12763. Opening of street in front of Pier, new 59, North river.

No. 12980. Repairs to the ferry racks at Barclay Street Ferry.

No. 12994. Repairs to the Pier between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river.

No. 12995. Repairs to Pier 4, East river.

No. 13020. Dredging in front of the bulkhead between One Hundred and Sixth and One Hundred and Seventh streets, Harlem river.

No. 13033. Building of a crib-bulkhead between One Hundred and Sixteenth and One Hundred and Seventeenth streets, Harlem river.

No. 13045. Test of fire resisting paint on a lighter off the Battery.

No. 13048. Dredging of temporary canal at the head of Park avenue, Harlem river.

No. 13050. Dredging at the Pier foot of East Fourteenth street.

No. 13051. Dredging at the dumping-board foot of East Sixtieth street.

No. 13052. Paving on the easterly side of Madison Avenue Bridge, between One Hundred and Thirty-seven and One Hundred and Thirty-eighth streets.

No. 13063. Repairs to Pier, new 21, North river.

No. 13073. Placing of a swimming-bath at the Pier foot of West Forty-fourth street.

No. 13082. Repairs to the platform at One Hundred and Thirtieth street, Harlem river.

No. 13083. Dredging at the dumping-board at Pier 12, East river.

No. 13084. Dredging at the dumping board between Piers 52 and 53, East river.

No. 13085. Dredging at the dumping board at Pier 57, East river.

No. 13091. Dredging in the half slip adjoining the south side of Pier, new 40, North river.

No. 13093. Running of water-pipe on the Pier foot of West Forty-fourth street.

No. 13094. Dredging in front of the bulkhead adjoining the westerly side of the foot of Second Avenue, Harlem river.

No. 13103. Removal of canal boat on the south side of Pier, new 39, North river.

The Engineer-in-Chief returned Secretary's Orders Nos. 11840, 12639, 12666, 12835, 13004, 13041, 13072, 13074 and 13106.

The Engineer-in-Chief, to whom was referred July 27, 1893, the communication of Colonel Gillespie, U. S. Army, that the Pier foot of West Thirteenth street projects fifty feet beyond the pier head line, reported that unless the outer end of the Pier foot of West Thirteenth street, which is beyond the pier head line established by the Secretary of War, April 25, 1890, at that point, is removed, legal measures would be taken for its removal by the United States authorities.

On motion, the permit granted the Fort Lee Park and Steamboat Company, May 12, 1892, for mooring ships on said pier, was revoked and said company ordered to remove same, and so much of the permit granted the Pennsylvania Railroad Company, March 21, 1890, to place ferry-racks on

the south side of that portion of the said pier which projects beyond the pier head line, was removed, and said company notified to remove same.

On motion, the Civil Service Boards were requested to submit a list of persons eligible for appointment as Rodmen.

The Secretary reported that the pay-roll for the General Repairs and Construction Force for the week ending August 18, 1893, amounting to \$12,748.68, and for the week ending August 25, 1893, amounting to \$12,878, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the following resolution was adopted:

Resolved, That Van Tassel & Kearney, auctioneers, on behalf of this Board, be and they are authorized to offer for sale at public auction, at Pier "A," Battery place, North river, City of New York, on Wednesday, September 20, 1893, at twelve o'clock noon, the right to use and retain all wharfage which may accrue for the use or occupation by vessels of more than 100 tons burden, of the following-named wharf property:

*On the North River*

For the term of ten years from the date of the completion of the pier, with privilege of renewal for a term of ten years at an advanced rental of ten per cent.

Pier at the foot of West Fifteenth street together with the privilege of erecting and maintaining a shed thereon, the said shed to revert to and become the property of the Mayor, Aldermen and Commonalty of the City of New York, at the expiration or sooner termination of the lease.

*On the East River*

For the term of five years from October 1, 1893:

Bulkhead between Pier, old 20, and Pier, old 21, about 136 feet

*Terms and Conditions of Sale*

The premises must be taken in the condition in which they may be at the commencement of the term of the lease, and no claim or demand that the premises or property are not in suitable or tenantable condition at the commencement of the term, will be allowed by this Department.

All repairs, maintaining or rebuilding required or necessary to be done to or upon the premises or any part thereof, during the continuance of the term of the lease, shall be done by and at the cost and expense of the lessee or purchaser.

No claim or demand will be considered or allowed by the Department for any loss or depreciation of wharfage or otherwise, resulting from or occasioned by any delay on account or by reason of the premises or any part thereof being occupied for or on account of any repairs, rebuilding or dredging.

The upset price of the parcels or premises exposed or offered for sale will be announced by the auctioneer at the time of sale.

The Department will do all dredging whenever it shall deem it necessary or advisable so to do.

The term for which leases are sold will commence at the date mentioned in the advertisement, and the rents accruing therefor will be payable from that date in each case.



Each purchaser of a lease will be required, at the time of the sale, to pay, in addition to the auctioneer's fees, to the Department of Docks, twenty-five per cent. (25 per cent.) of the amount of the highest bid, as security for the execution of the lease, which twenty-five per cent. (25 per cent.) is applied to the payment of the rent first accruing under the lease when executed, or will be paid to the Department if the purchaser neglects or refuses to execute the lease, with good and sufficient surety or sureties, to be approved by the Department, within ten days after being notified that the lease is prepared and ready for execution at the office of the Department of Docks, Pier 1, North river, Battery place.

The Department expressly reserves the right to resell the lease or premises bid off, by those refusing or neglecting to comply with these terms and conditions, the party so failing, refusing or neglecting, to be liable to the Corporation of the City of New York for any deficiency resulting from the resale.

Lessees will be required to pay their rent quarterly in advance, in compliance with the terms and conditions of the lease prepared and adopted by the Department.

In all cases where it is mentioned in the advertisement of sale, the purchaser shall be entitled to the privilege of occupying any shed upon the pier or bulkhead at the commencement of the term of the lease, and may thereafter be permitted or licensed by the Department, and to the rights attached to such permission or license, but subject to the conditions thereof, such purchaser being engaged in the business of steam transportation, and using and employing the same for the purpose of regularly storing and discharging cargo thereat.

Unless two sureties, each to be a householder or freeholder in the State of New York, approved by the board of Docks, will be required under each lease to enter into a bond or agreement jointly and severally with the lessee, in the sum of double the annual rent, for the faithful performance of all the covenants and conditions of the lease, the names and addresses of the sureties to be submitted at the time of sale.

Each purchaser will be required to agree that he will, upon ten days' notice so to do, execute and deliver sufficient surety as aforesaid, the printed form of which may be seen and examined upon application to the Secretary, at the office of the Department, Pier "A," Battery place.

No person will be received as a lessee or surety who is delinquent on any form or lease from this Department, or the Corporation.

No bid will be accepted from any person who is in arrears to this Department or the Corporation upon any debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to this Department or to the Corporation of the City of New York.

The auctioneer's fees (\$25) on each lot or parcel must be paid by the purchasers thereof respectively at the time of sale.

Dated NEW YORK, August 30, 1893.

J. SERGEANT CRAM,	} Commissioners of the Department of Docks
JAMES J. PHELAN,	
ANDREW J. WHITE,	

On motion, the Board adjourned to meet Tuesday, September 5, 1893, at 11 o'clock A. M.

AUGUSTUS T. DOCHARTY, Secretary.



The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Engineer-in-Chief :

1st. Recommending that Frederick Reynolds, Laborer, be discharged for having been absent three successive days without being excused.

2d. Reporting that Laborer Joseph Crotty is unassigned to duty for having been absent three successive days without being excused.

On motion, said Crotty was directed to be restored to duty, with compensation at the rate of twenty-three cents per hour.

3d. Reporting the suspension of Laborer Thomas McCarthy, and recommending that he be discharged.

On motion, said McCarthy was discharged.

The following persons were discharged :

*Laborers.*

Dominick Cleary.

Jeremiah Bowen.

The following persons were appointed :

*Laborers. .*

John Riley.

Frank McQuade.

Thomas Crow.

Robert L. Fordham.

*Dock Builder.*

Frank McLaughlin.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Tuesday, September 5, 1893, at 11 o'clock A. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The Board met for the purpose of receiving proposals for the following named contracts :

Contract No. 457—For furnishing granite stones for bulkhead or river wall.

Contract No. 458—For dredging in the slip between Piers, old 4 and 5, and in the slip between Piers, old 53 and 54, on the East river.

Contract No. 459—For preparing for and building a new dumping-board on Pier 42, near the foot of Canal street, North river.

Contract No. 460—For dredging at Pier, new 40, and at Pier, new 59, on the North river.

A representative of the Comptroller being present.

Two proposals were received for Contract No. 457, as follows :

FROM WHOM.	CLASS I.	CLASS II.
John Pearce, with security deposit, \$800.....	\$1 09	\$1 39
James Symington, " 800. ....	95	1 34¼

Five proposals were received for Contract No. 459, as follows :

1. John W. Flaherty, with security deposit, \$100.....		\$5,258 00
2. Spearin & Preston, " 100 .....		4,175 00
3. P. Sanford Ross, " 100.....		4,850 00
4. Barth. S. Cronin, " 100.....		4,440 00
5. Motley & Steers, " 100.....		5,990 00

Five proposals were received for Contract No. 460, as follows :

1. Morris & Cumings Dredging Company, with security deposit, \$185..	18 7-10 cents per cubic yd.	
2. Atlantic Dredging Company, " 185..	18 3-10	"
3. Charles Du Bois, " 185..	19	"
4. P. Sanford Ross, " 185..	18 9-10	"
5. James P. Carson, " 185..	18	"

On motion, the following resolutions were adopted :

Resolved, That the contract opened this day for furnishing granite stones for bulkhead or river-wall, under Contract No. 457, be and hereby is awarded to James Symington, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for preparing for and building a new dumping-board on Pier 42, near the foot of Canal street, North river, under Contract No. 459, be and hereby is awarded to Spearin & Preston, they being the lowest bidders, upon the approval of the sureties by the Comptroller.

On motion, the awarding of Contract No. 460 was postponed until Friday, September 8, 1893, at 11 o'clock A. M.

The form of Contract No. 458 not having been approved by the Counsel to the Corporation, the opening of the proposals was postponed until Friday, September 8, 1893, at 11 o'clock A. M.

The minutes of the meeting held on the 30th ultimo were read and approved.

The communication from Booth & Co., requesting a berth for the steamer "Teucer," in the tea district, was referred to the Dock Master.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Requesting information respecting the claim of James Carroll for damages caused by the breaking of a derrick belonging to the Department, foot of East Twenty-fourth street. The Engineer-in-Chief directed to furnish the information.

2d. Approving form of Contracts Nos. 457, 459 and 460.

From Thomas Gearty and John Peirce, sureties on Contract No. 436—Consenting to the extension of time granted August 30, 1893, for the completion of said contract.

From the Tenth and Twenty-third Street Ferry Company—Protesting against the extension of the Pier foot of East Twenty fourth street.

From Babcock, Lary & Co.—Stating that they are ready to proceed with the work of dredging in conformity with their proposition of July 27, 1893.

From W. J. Murray, lessec—Requesting repairs to the bulkhead between Piers, old 1 and new 1, North river. The Engineer-in-Chief directed to repair and report the cost for collection.

From the Long Island Railroad Company—Requesting permission to repair the pavement in front of Pier 32, East river. The Engineer-in-Chief directed to repair and report the cost for collection.

From the Brooklyn and New York Ferry Company—Requesting permission to make repairs to their ferry premises foot of Roosevelt, Grand and Twenty-third streets, East river, during the ensuing three months. Permit granted on the usual terms.

From Dock Master Kenney :

1st. Reporting the capsizing of the schooner "Bella," loaded with market produce, on the south side of Pier, old 57, North river.

2d. Reporting repairs required to Piers, old 57, 58, and approach to the Pier at West Thirtieth street. The Engineer-in-Chief directed to repair if necessary.

3d. Reporting repairs required to the bulkhead south of West Seventeenth street. Owners directed to repair.

From Dock Master Meehan—Reporting the sinking of the lighter “Annie” at the bulkhead between Thirtieth and Thirty-first streets, East river. Owners notified to remove.

From the Engineer-in-Chief :

1st. Respecting the damage to Dexter's Bath, Thirty-fourth street, North river, by the tug “Manhattan,” on the 14th ultimo.

On motion, said Dexter was notified to submit his claim to the Finance Department.

2d. Recommending the discharge of Thomas Niblo, Deckhand, to whom the accident was due.

On motion, said Niblo was suspended for thirty days.

3d. Recommending the placing of a bumper foot of Second avenue, Harlem river, to prevent the horse-cars from breaking the fence. Recommendation adopted.

4th. Report on Secretary's Order No. 13077—As to the cost of repairs to the Battery landing damaged by the steamboat “Shackamaxon.” Treasurer authorized to collect.

Report on Secretary's Order No. 13071—As to the cost of driving piles at the Pier foot of West Forty-fourth street. Treasurer authorized to collect from the Al. Foster Steamboat Company.

Report on Secretary's Order No. 13075—Approving plans and specifications for the shed on the bulkhead at Pier, new 36, North river. Report approved.

Report on Secretary's Order No. 13139—Respecting the communication from the Department of Public Charities and Correction, reporting that the specifications for the building of a new bulkhead adjoining the Store-house dock, Blackwell's Island, under Contract No. 442, are insufficient. Transmit copy of report to said Department.

Report on Secretary's Order No. 13140—As to the communication from the Department of Public Charities and Correction, reporting that the recent storm washed out a portion of the bulkhead at the approach to the Pier at East Twenty-sixth street. Transmit copy of report to said Department.

Report on Secretary's Order No. 13142—As to the communication from the Department of Street Cleaning, requesting to be informed as to the number of loads of earth or sand dumped by this Department at the Pier foot of West Thirtieth street, on the 15th and 16th instants. Transmit copy of the report to said Department.

Report on Secretary's Order No. 13158—As to the application of James M. Motley, assignee of John Cox, for an extension of time in which to complete the work of paving the bulkhead between Twenty-fourth and Twenty-fifth streets, North river, under Contract No. 451.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the work of preparing for and paving the newly made land for a width of fifty feet, extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite, etc., under Contract No. 415, John Cox, contractor, be and hereby is extended to September 6, 1893.

On motion, the following resolution was adopted :

Resolved, That the Commissioners of the Sinking Fund, pursuant to the authority vested in them by section 143, chapter 410 of the Laws of 1882, commonly called the New York City Consolidation Act of 1882, be and hereby are respectfully requested to direct the Comptroller of the City of New York to prepare and issue Dock Bonds of the City of New York for the amount of three million dollars (\$3,000,000), for the uses and purposes of the Department of Docks.

The Secretary reported the pay-rolls for the month ending August 31, 1893, amounting to \$13,208.36, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned to meet Friday, September 8, 1893, at 11 o'clock A. M.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The following persons were appointed.

*Laborers.*

Thomas Rogers.

Thomas Shevelin.

John Hackett.

*Dock Builder.*

Fred. Douglass.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Friday, September 8, 1893, at 11 o'clock A. M.

Present — Commissioner Phelan.

" " White.

Absent—President Cram.

The Board proceeded to open estimates for dredging in the slip between Piers 4 and 5 and the slip between Piers, old 53 and 54, on the East river, under Contract No. 458, the opening of which was postponed until this date, a representative of the Comptroller being present.

Three estimates were received as follows :

Atlantic Dredging Company, with security deposit, \$60 .....	34	cents per cubic yard.
Charles Du Bois, " " \$60 .....	36	" "
P. Sanford Ross, " " \$60 .....	36	" "

On motion, the following resolution was adopted :

Resolved, That the contract opened this day for dredging in the slip between Piers, old 4 and 5 and in the slip between Piers, old 53 and 54, on the East river, under Contract No. 458, be and hereby is awarded to the Atlantic Dredging Company, they being the lowest bidder, upon the approval of the sureties by the Comptroller.

On motion, the following resolution was adopted :

Resolved, That the contract opened on the 5th instant for dredging at Pier, new 40 and at Pier, new 59, on the North river, under Contract No. 460, be and hereby is awarded to James P. Carson, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

The minutes of the meeting held on the 30th ultimo were read and approved.

J. W. Miller, President of the Providence and Stonington Steamship Company, appeared, and requested that said company be permitted to remain at Pier, old 29, North river, until November 1, 1893.

On motion, said application was granted.

The communication from the Engineer-in-Chief, reporting filling in required at East One Hundred and Tenth street and East One Hundred and Twenty-fifth street sections, was referred to Commissioners White and Phelan.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department—Approving sureties on Contract No. 456.

From the Counsel to the Corporation :

1st. Approving form of Contract No. 458.

2d. Requesting that a requisition for \$2,530 be prepared and transmitted to the Finance Department in settlement of the judgment obtained by Mary J. Van Auken for certain riparian and wharfage rights between Fifty-third and Fifty-fourth streets, North river. The Chief Clerk directed to prepare the necessary requisition.

From Simon Sterne, attorney on behalf of the Hudson Tunnel Railway Company—Requesting an extension of time to October 15, of the order of June 22, 1893, revoking the permit to occupy the reclaimed land south of Pier, new 42, North river. Time extended thirty days.

From Edward J. Hancy—Stating that repairs will be made to the bulkhead south of West Fourteenth street, as requested on the 24th ultimo.

From Robert M. Ferris—Stating that repairs will be made to Pier 19, East river, and also that he represents the owners of Piers 16, 17, 26, 27, 28, half 18, half 19 and half 20, East river.

From Peter Wooley—Requesting permission to place stone-filling foot of East Eighty-four street. Application denied.

From R. P. and J. H. Staats—Requesting permission to take up a portion of the pavement on the new-made land at Pier, new 14, North river. The Engineer-in-Chief directed to do the work and report the cost for collection from the International Navigation Company.

From Brown & Fleming—Requesting permission to load four scow loads of cellar dirt at the bulkhead between Piers, new 21 and 22, North river. Permit granted ; compensation to be fixed by the Treasurer.

From Dock Master Palmstine—Reporting repairs required to the pavement on the bulkhead between Piers, new 6 and 8, East river. The Engineer-in-Chief directed to repair if necessary.

From Dock Master Stack—Reporting the dumping of broken stone foot of Eighty-third and Eighty-fourth streets, East river, by Peters & Hines, Peter Woolley, Masterson & Neary, McGraw & Ryan, and John L. Brand. Notify said parties to appear before the Board Wednesday, September 13, 1893, at 11 o'clock A. M., and show cause why a penalty should not be imposed for a violation of the Rules and Regulations of the Department.

From the Treasurer :

1st. Recommending that the compensation to be charged John Veitch for the float foot One Hundred and Sixty-second street, North river, be fixed at the rate of \$2 per month, payable at the end of each month to the Dock Master. Recommendation adopted.

2d. Recommending that the compensation to be charged the Knickerbocker Steamboat Company be fixed at the rate of \$5 per day, up to and including September 15, 1893, and \$2.50 per day thereafter, for permission to land the steamboat "Aurora," at the Battery wharf, payable at the end of each week to the Dock Master. Recommendation adopted.

recommending that the compensation to be charged R. Haarmann for the float foot of old and Fifty-ninth street, Harlem river, be fixed at the rate of \$5 per month, payable at each month to the Dock Master. Recommendation adopted.

Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending Sept. 1, 1893, amounting to \$27,021.40, which was received and ordered to be spread in full on the following items:

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
Geo. W. Myers, Comptroller.	Account of judgment against David Tracy, etc.....	\$400 00		
Old Colony S. B. Co.....	1 qrs. rent, l. u. w., pfm., south Pier, old 28, N. R.....	31 50		
" .....	" l. u. w., pfm., N. Pier, old 28, N. R.....	677 25		
" .....	" l. u. w., extension to Pier, old 28, N. R.....	1,017 19		
Cedar Hill Ice Co.....	1 mos. rent, bhd., S. Pier, foot of Little W. 12th st., N. R.....	125 00		
Lehigh Valley R. R. Co.....	1 qrs. rent, Pier at Gansevoort st., N. R.....	875 00		
" .....	" l. u. w., pfm. bet. Piers 2 and 3, N. R.....	137 50		
" .....	" bhd. foot of 43d st., E. R..	75 00		
" .....	" bhd. foot of 44th st., E. R.	6 25		
			\$3,344 69	Aug. 31
William J. Clark.....	2 mos. rent, pfm., S. Pier 43, E. R.....	\$32 60		
Charles W. Morse & Co.....	1 qrs. rent, bhd. pfm., S. 79th st., E. R.	450 00		
Quebec S. S. Co.....	1 mos. rent, bhd. bet. Piers, new 46 and 47, N. R.....	83 33		
N. J. S. B. Co.....	" Pier, old 40, N. R.....	1,666 67		
D. L. & W. R. Co.....	1 qrs. rent, bhd. on h side of Pier, new 41, N. R.....	1,325 00		
" .....	" Pier, new 41, N. R.....	7,625 00		
N. Y. & N. R. R. Co.....	1 mos. rent, Pier 40, E. R.....	1,041 66		
Penn. R. R. Co.....	1 qrs. rent, Pier, new 29, N. R.....	7,500 00		
Thomas Ward .....	1 mos. rent, bhd., etc., S. 80th st., N. R.....	83 37		
W. J. Murray .....	1 qrs. rent, bhd. bet. Piers, new 1 and old 1, N. R.....	250 00		
" .....	" bhd. foot of 99th st., E. R.	375 00		
William A. Hall .....	1 mos. rent, bath at Battery.....	250 00		
Robert S. Briggs.....	1 qrs. rent, Pier at W. 18th st., N. R..	550 00		
James E. Ward & Co.....	1 mos. rent, l. u. w., pfm. bet. Piers 16 and 17, E. R.....	147 86		



DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D EB IT
1893.					18
Sept. 5	George Law.....	1 qrs. rent, N. ½ Pier at 10th st., and S. ½ Pier at 11th st., E. R .....	\$375 00		
" 5	George A. Woods.....	Wharfage, District No. 2, N. R.....	219 35		
" 5	Edward Abeel.....	" 4, " ....	221 55		
" 5	B. F. Kenney.....	" 6, " ....	186 90		
" 5	William B. Osborne.....	" 8, " ...	44 10		
" 5	James J. Fleming .....	" 10, " ....	106 46		
" 5	Thomas P. Walsh.....	" 12, " ....	33 50		
" 5	Henry A. Palmstine.....	" 1, E. R.....	121 67		
" 5	Charles S. Coye.....	" 3, " ....	238 32		
" 5	James A. Monaghan.....	" 5, " ....	250 49		
" 5	Joseph F. Meehan.....	" 7, " ....	63 33		
" 5	Maurice Stack.....	" 9, " ....	282 73		
" 5	James W. Carson.....	" 11, " ....	94 36		
" 5	John J. Martin.....	" 13, " ....	58 46		
			\$27,021 40	\$23,676 71	Sc
				\$27,021 40	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty-one bills or claims, amounting \$30,405.49, which were approved and audited, and ordered to be spread in full on the minutes follows :

Construction Account.		
Audit No.	Name.	Amount.
13539.	Henry S. Lanpher, Estimate No. 3 and final, Contract No. 436..	\$7,521 27
13540.	Colin McLean, Estimate No. 1, Contract No. 449.....	12,071 25
13541.	Alexander Pollock, spike pulleys, etc.....	57 15
13542.	Isaac Hall's Sons, anchors.....	159 20
13543.	H. P. Sheridan, rip-rap.....	328 01
13544.	Sylvester N. Leary, Prop., drilling.....	27 00
13545.	Brown & Miller, propeller wheel, etc.....	178 00
13546.	Lidgerwood Manufacturing Company, shaft, etc .....	35 00
13547.	Heipershausen Bros., towing.....	246 67
13548.	Bell Bros., spruce.....	185 19
13549.	Gas Engine and Power Company, naphtha.....	36 00
13550.	C. & R. Poillon, tar. . . . .	23 50
13551.	McNab & Harlan Manufacturing Company, pipe.....	67 30
13552.	Kurtz Bag Company, gunney bags.....	400 00
		\$21,335

General Repairs Account.

Name	Amount.
Beck, brooms.....	\$48 00
ris & Cumings Dredging Company, dredging.....	903 26
hael Hart. service horse, cart, etc.....	105 00
Bros., spruce.....	840 04
arles Du Bois, dredging.....	228 38
	----- \$3,867 70

Construction Account.

an Cox, Estimate No. 1, Contract No. 451.....	2,762 25
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Acquired Property Account.

ry J. Van Auken. judgment for property acquired from southerly side of Fifty-third street to southerly side of Fifty-fourth street, North river.....	2,530 00
	----- \$30,495 49

Respectfully submitted,

ANDREW J. WHITE, {  
JAMES J. PHELAN, { Auditing Committee.

action of the President in transmitting the same, with requisitions for the amount to the  
Department for payment, approved.

he following requisitions were passed :

No.	For What.	Estimated Cost.
1.	Iron and steel.....	\$160 00
2.	Repairs to platform scales.....	22 00
3.	Repairs to level.....	15 00
4.	Spruce plank.....	4,873 89
5.	Sewer bands.....	663 50
6.	Holland shades.....	9 00
7.	Cane bottom stools.....	15 00
8.	Drawing material.....	76 09
9.	Spruce boards.....	60 00
10.	Steel hoisting rope, etc.....	24 00
11.	Lard oil.....	32 50
12.	Dredging.....	875 00
13.	Telephone service.....	648 00
14.	Service of horse, cart, driver.....	210 00
15.	Stationery.....	
16.	Office supplies.....	
		=====

From the Engineer-in-Chief:

1st. Report for the week ending September 2, 1893.

2d. Reporting the drifting of old timber from the work of the Morris & Cumings Dredging Company at Pier, old 42, North river, which was taken care of by the tug "Manhattan" at an expense of \$18. Treasurer authorized to collect from said company.

3d. Reporting repairs required to Pier 12, East river. The Engineer-in-Chief directed to repair.

4th. Report on Secretary's Order No. 13136—Recommending that the owners of the brick scow "Sadie F. Hoagland" be directed to remove the bricks dumped overboard at the Pier foot of West One Hundred and Thirty-third street. Recommendation adopted.

Report on Secretary's Order No. 13124—As to the amount of dredging required at the bulkhead between Seventy-ninth and Eightieth streets, North river. The Engineer-in-Chief directed to make requisition for doing said work.

On motion, the Engineer-in-Chief was directed to drive six white oak spring piles and to cut a sluiceway through the bulkhead on the north side of the Old Seventeenth Street Yard, as requested by the Health Department.

On motion, the Board adjourned to meet Wednesday, September 13, 1893, at 11 o'clock A. M.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The communication from the New York City Civil Service Boards, submitting a list of persons eligible for appointment as Rodmen was tabled until the 13th instant.

The communication from the Engineer-in-Chief, reporting that Dock Builder Charles J. Keen is unassigned to duty for having been absent three successive days without being excused, was ordered on file, and said Keen suspended from duty for thirty days.

The communication from the Engineer-in-Chief, reporting that Patrick McManus, Laborer, Acting Watchman, was guilty of disobedience of orders, was ordered on file, and said McManus directed to show cause Wednesday, September 13, 1893, at 11 o'clock A. M., why he should not be discharged from the service of this Department, in accordance with said report.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Wednesday, September 13, 1893, at 11 o'clock A. M.

Present—Commissioner Phelan.

" " White.

Absent—President Cram.

The minutes of the meetings held on the 5th and 8th instants were read and approved.

Peter Wooley, Peters & Hines, Masterson & Neary and McGrath & Ryan were present in response to the order to show cause dated September 8, 1893, why a penalty should not be imposed upon them for dumping between Eightieth and Eighty-fourth streets, East river, in accordance with report of the Dock Master, and having been heard in their own behalf,

On motion, the matter was referred to the Engineer-in-Chief to examine and report.

The communication from John U. Brookman, requesting permission to rebuild the bulkhead from the foot of Eighteenth street to the centre line of the block between Nineteenth and Twentieth streets, East river, and also permission to dredge in front of said bulkhead, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in Chief :

New York and Baltimore Transportation Company—To dredge in front of the bulkhead between Piers 5 and 6, North river.

Long Island Railroad Company—To repair the pavement in front of Pier 32, East river.

Daniel McCabe—To place a portable house on the bulkhead between Piers 23 and 24, East river, to remain thereat only during the pleasure of the Board.

The communication from the Mayor's office, inclosing a complaint from Van Orden Brothers respecting the storing of trucks on the bulkhead foot of Perry street, North river, together with the report of the Dock Master in relation thereto, was ordered on file and the Secretary directed to advise his Honor the Mayor that the matter will be investigated and the nuisance abated.

On motion, the Dock Master was directed to appear before the Board, Monday, September 18, 1893, at 11 o'clock A. M., and explain why he failed to enforce Rule 18 of the Rules and Regulations of the Board respecting the storing of trucks on wharf-property under the control of this Department.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department—Approving sureties on Contracts Nos. 455 and 458.

From Dock Master Martin—Reporting repairs required to the sewer foot of Ninety-six street, North river. The Engineer-in-Chief directed to examine and repair if necessary.

From Dock Master Abeel—Reporting repairs required to the bulkhead south of West Eleven street. The Engineer-in-Chief directed to examine and repair if necessary.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending September 12, 1893, amounting to \$13,761.15, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DAT DEPO ITEL
1893.					1893
Sept. 6	Van Tassell & Kearney.....	Sale of old material.....	\$36 00		
" 6	G. W. Plunkitt & Smith .....	1 qrs. rent, Pier at 51st street, N. R..	975 00		
" 6	Michael Mitchell.....	" Pier foot 35th street, N. R..	1,250 00		
" 7	James Shewan & Son .....	1 mos. rent, Dry Dock foot of Stanton street, E. R.....	208 33		
" 7	J. M. Ceballos & Co.....	" l. u. w., covered by changes in lines of Pier 10, E. R.	125 00		
" 8	Prov. and Stonington S. S. Co.	1 qrs. rent, Pier, new 36, N. R.....	7,625 00		
" 12	George A. Woods.....	Wharfage, District No. 2, N. R.....	1,215 24		
" 12	Edward Abeel.....	" 4, " .....	357 65		
" 12	B. F. Kenney.....	" 6, " .....	154 43		
" 12	William B. Osborne.....	" 8, " .....	309 37		
" 12	James J. Fleming.....	" 10, " .....	164 40		
" 12	Thomas P. Walsh.....	" 12, " .....	86 79		
" 12	Henry A. Palmstine. ....	" 1, E. R .....	173 12		
" 12	Charles S. Coye.....	" 3, " .....	487 92		
" 12	James A. Monaghan.....	" 5, " .....	241 87		
" 12	James F. Meehan.....	" 7, " .....	101 41		
" 12	Maurice Stack.....	" 9, " .....	141 13		
" 12	James W. Carson.....	" 11, " .....	58 13		
" 12	John J. Martin.....	" 13, " .....	50 36		
				\$13,761 15	Sept.
			\$13,761 15	\$13,761 15	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of sixteen bills or claims, amounting to \$3,661.99, which were approved and audited and ordered to be spread in full on the minutes as follows :

*Construction Account.*

Bill No	Name.	Amount.
13560.	Incidentals.....	\$102 64
13561.	Car fares.....	192 91
		<hr/> \$295 55

*Annual Expense Account.*

13562.	Incidentals, etc.....	\$49 49
		<hr/> 49 49

*Construction Account.*

13563.	Hudson River Stone Supply Company, broken stone.....	\$718 08
13564.	The Neostyle Company, paper, etc....	21 25
13565.	Kurtz Bag Company, bagging sheets.....	330 00
13566.	Thomas H. Simonson & Son, lumber.....	29 80
13567.	P. W. Vallely, stools.....	15 00
13568.	Stackpole & Bro., cleaning level.....	15 00
13569.	J. Henry Haggerty, oil.....	35 50
13570.	Hine & Robertson, repairs to boiler.....	100 00
13571.	Bell Bros., spruce.....	722 57
13572.	Thornton N. Motley & Co., vises, etc.....	107 00
13573.	C. F. Harris, agent, towing.....	728 75
13574.	The Sun, advertising.....	88 00
		<hr/> 2,910 95

*General Repairs Account.*

13575.	Thomas Kelly, services horse, cart, etc.....	\$406 00
		<hr/> 406 00
		<hr/> \$3,661 99

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment approved.

From the Engineer-in-Chief :

1st. Report for the week ending September 9, 1893.

2d. Recommending that any permits which may have been granted for the occupancy of the bulkhead adjoining the Pier at West Fifteenth street be revoked and the owners directed to remove all structures within the lines of the inner end of the new pier. Recommendation adopted.

3d. Reporting damage to Pier, new 22, North river, by the ferry-boat "Newburgh" on the 11th instant. The Engineer-in-Chief directed to repair and report cost for collection from the West Shore Railroad Company.

4th. Reporting damage to the Pier at Riker's Island, September 8, 1893, by Scow No. 5. The Engineer-in-Chief directed to repair and report the cost for collection from Brown & Fleming.

Report on Secretary's Order No. 12926—Recommending that the permit granted C. H. Mallory & Co., June 8, 1893, to place a gate at the sides and street ends of Pier 21, East river, be revoked, as they do not intend to avail themselves of the privilege. Permit revoked.

Report on Secretary's Order No. 12967—Recommending that the permit granted the Pennsylvania Railroad Company, June 22, 1893, to extend their ferry-rack at Thirteenth Street Ferry, be revoked, as said Company will not be able to make the desired extension on account of the non-approval of the United States Government. Permit revoked.

Report on Secretary's Orders Nos. 13059, 13060 and 13061—Recommending that the permits granted the St. John's Guild to erect frames to support canvas awnings on the Pier at Thirty-fourth street, North river, and the Pier at East Third street and Pier 43, East river, be revoked, as it is not their intention to avail themselves of the privilege. Permits revoked.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 10237. Laying of tracks on the bulkhead between Piers, new 56 and 57, North river.

No. 10452. Erection of two derricks on the bulkhead between Piers, new 56 and 57, North river.

No. 12756. Building of a platform on the bulkhead between Piers 51 and 52, East river.

No. 12895. Repairs to ferry premises foot of Roosevelt, Grand and Twenty-third streets, East river.

No. 12971. Repairs to Pier, old 6, East river.

No. 13062. Repairs to the bulkhead between Twenty-second and Twenty-third streets, North river.

No. 13088. Repairs to the bulkhead at Thirty seventh street, East river.

No. 13089. Repairs to the bulkhead south of Thirty-seventh street, East river.

No. 13120. Replacing of piles at Pier 3, East river.

No. 13123. Driving of piles at Pier 40, East river.

No. 13131. Repairs to the pavement in front of the crib-bulkhead south of Fourteenth Street Ferry, North river.

No. 13132. Driving and fastening of six fender-piles on the south side of the Pier at East Twelfth street.

No. 13133. Repairs to the easterly half of Pier 19, East river.

No. 13157. Placing of fender-piles in front of the bulkhead on East street, near Cherry street.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12943. Driving of spring-piles at the Pier foot of East Twenty-eighth street, for the training-ship "New Hampshire."

No. 13000. Cleaned and repaired the bulkhead at East One Hundred and Sixth street.

No. 13001. Cleaned and repaired the bulkhead at East One Hundred and Seventh street.

No. 13090. Prepared maps, papers, etc., in relation to the application for the pavement to be laid on the westerly twenty feet of Thirteenth avenue, between Twenty-fourth and Twenty-fifth streets.

No. 13095. Repaired the westerly half of Pier 19, East river.

No. 13109. Repaired the Pier at West Forty-fourth street.

No. 13152. Repaired the boat-landing at Pier "A," North river.

The Engineer-in-Chief returned Secretary's Order No. 13138.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending September 8, 1893, amounting to \$12,567.06, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned to meet Monday, September 18, 1893, at 11 o'clock A. M.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then convened in executive session.

Patrick McManus, Laborer, Acting Watchman, having been notified to appear before the Board and show cause why he should not be discharged for disobedience of orders, was present.

Dock Builder T. A. Antons and George Shevlin, Steam Engineer, were heard in support of said charges and Patrick McManus having testified in his own behalf,

On motion, said McManus was directed not to be assigned to duty as Acting Watchman until October 1, 1893.

On motion, the compensation of Harry Walls, Laborer, was fixed at the rate of \$75 per month, to take effect September 13, 1893.

The communication from the New York City Civil Service Boards, submitting a list of persons eligible for appointment as Rodmen, was tabled until the 18th instant.

The communication from the Engineer-in-Chief, reporting that Charles Clark is laid off and is assigned to duty for having been absent three successive days without being excused, was filed, and the said Clark directed to be restored to duty.



SEPTEMBER 13, 1893.]

200

The following persons were appointed :

*Laborer.*

John Lynch.

*Dock Builders.*

John Morris.

Matthew Byrnes.

Joseph Coyle.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Monday, September 18, 1893, at 11 o'clock A. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The minutes of the meeting held on the 13th instant were read and approved.

Dock Master Abeel was present in response to the order of the 13th instant, requiring him to explain why he failed to enforce Rule 18, of the rules and regulations of the Board, respecting the storage of trucks on wharf property under the control of this Department.

His explanation being satisfactory the matter was dismissed.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department—In reference to the substitution of sureties on Contract No. 459.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted for the substitution of John Fleming and Alfred J. Murray, as sureties in the place and stead of Frank B. Haviland and Stanley H. Miner, on estimate of Spearon & Preston, for preparing for and building a new dumping board, on Pier 42, near the foot of Canal street, North river, under Contract No. 459.

From the Counsel to the Corporation—Respecting the right of Casimir de R. Moore to act as agent and representative of William T. Moore and the heirs of Mary C. Ogden, owners of the bulkhead between Twenty-second and Twenty-third streets, North river. The action of the Secretary in replying thereto approved.

From the Health Department—Reporting in reference to the communication from the Occident Dock Company and the complaint of Barbour & Co. of the thirtieth ultimo, respecting a nuisance at Pier 60, North river.

From R. P. & J. H. Staats with approval of lessee—Requesting the Board to notify the party operating a hoisting engine on the bulkhead between Piers, new 14 and 15, North river, to remove the same. The Dock Master directed to order its removal.

From James M. Motley, assignee of John Cox—Requesting a further extension of five days' time in which to complete the work of paving the bulkhead between Twenty-fourth and Twenty-fifth streets, North river, under Contract No. 451.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the work of paving the newly-made land for a width of fifty feet, extending from the southerly crosswalk of the paved approach to Pier, new 54

North river, to the present paved area at the foot of West Twenty-fifth street, with granite, etc., be, and hereby is extended to September 12, 1893.

The following permit was granted, to continue only during the pleasure of the Board :

Frederick W. Wright, tally-house on Pier 32, East river.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief.

Samuel L. Storer, President, Fulton Market Fishmonger's Association—To replace four oak fender piles on the outer corner of Pier 23, East river.

Morgan & McGovern—To reset some fender piles and repair the backing log on the north side of the Pier foot of Seventh street, East river.

Yellow Pine Company--To replace fifteen piles at their basin, One Hundred and Twenty-fifth street, Harlem river.

The following communications were referred to the Engineer-in-Chief to examine and report :

From Christian Lauer, Contractor—Submitting a claim for \$935.69, which he reported was incurred by reason of work not included in the specifications of his contract, but which he was compelled to perform in completing the work of paving the newly-made land between Dey and Barclay streets, North river, under Contract No. 447.

From Dock Master Osborne—Reporting repairs required to the sheathing and to the underpart of the planks on the Pier foot of West Thirty-fourth street.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From Overbaugh & Camp—Reporting that the Washington Insurance Company of Providence, Rhode Island, should be served with a notice to remove the brick dumped into the slip foot of West One Hundred and Thirty-third street, from the scow "Sadie F. Hoagland" on the 30th ultimo. Notify said company to remove.

From T. H. Thorn & Co.—Complaining of the Dock Master refusing them a berth to unload a canal boat loaded with coal at the Pier foot of West Fortieth street. Notify the Dock Master to appear and explain to one of the Commissioners his reason for such action.

From Dock Master Coye—Reporting that an abandoned and empty canal boat drifted into the slip between Piers 38 and 39, East river, on the 15th instant. Notify the Dock Master that at the expiration of ten days, if said canal boat is still in the slip, she will then be removed by the force of the Department.

From the Treasurer—Recommending that a rebate of \$750 be made on the rental of McDermott & Co. for the use of the Pier foot of One Hundred and Twenty-ninth street, North river, and that the rent be reduced from \$1,000 to \$700 to date from May 1, 1893. Report approved.

The Treasurer reported that he had received estimates for furnishing the Department with galvanized wrought iron work, spruce plank, dock cleats and screw bolts, spike, etc., dredging, Portland cement and egg coal, as follows :

*Galvanized Wrought Iron.*

Greenlie, Wyatt & Co. . . . .	\$782 93
Alexander Pollock . . . . .	796 20
John Loyd . . . . .	825 00
Theo. Smith & Bro . . . . .	<u>1,295 00</u>

*2,660 Pieces Spruce Plank, 4 Inch by 10 Inch.*

Bell Brothers, per M. . . . .	\$22 00
The East River Mill and Lumber Company, per M. . . . .	<u>22 50</u>

*About 8,500 Pounds Cast-iron Dock Cleats and 1,435 Pounds Wrought-iron Screw Bolts.*

Greenlie, Wyatt & Co. . . . .	\$208 00
Alexander Pollock . . . . .	215 98
John Loyd . . . . .	225 00
Theo. Smith & Bro . . . . .	<u>266 00</u>

*About 52,958 Pounds Wrought-iron Screw Bolts, etc., and 13,245 Pounds Armature Plates.*

Greenlie, Wyatt & Co. . . . .	\$1,615 35
Theo. Smith & Bro . . . . .	1,728 00
John Loyd . . . . .	<u>1,750 00</u>

*2,500 Cubic Yards Dredging, North Brother Island.*

Morris & Cuming's Dredging Company. . . . .	\$0 37½ per cubic yard.
Charles DuBois . . . . .	<u>95 "</u>

*22,000 Pounds Wrought Spike, 6, 7 and 10 Inches.*

Peter Timme's Son . . . . .	\$460 00
Adolph Starke . . . . .	528 00
Osborne and Broderick Company . . . . .	<u>528 00</u>

*About 700 Barrels Portland Cement.*

Baetjer & Mayerstein . . . . .	\$1 94 per barrel.
James Brand . . . . .	1 97 "
Herman Aich . . . . .	2 10 "
Sinclair & Babson . . . . .	<u>2 25 "</u>

*About 200 Gross Tons of Egg Coal.*

David Duncan & Son . . . . .	<u>\$4 04 per ton.</u>
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About 600 Pieces 3 by 10 Inches Spruce.

East River Mill and Lumber Company.....	\$21 00 per
Bell Brothers.....	21 00 ‘

The action of the Treasurer in awarding the orders to Greenlie, Wyatt & Co., Bell Broth Morris & Cumings Dredging Company, Peter Timmes’ Son, Baeljer & Mayerstein, David Dun & Son and East River Mill and Lumber Company, they being the lowest bidders, approved.

The following requisitions were passed :

Register No.	For What.	Estimated C
13534.	Tools.....	\$220
13535.	Patterns and castings.....	800
13536.	Portland cement.....	1,400
13537.	Dredging.....	400
13538.	Steam pipe and fittings.....	100
13539.	Spike.....	455
13540.	Spruce ..	756
13541.	Service of tugs.....	250
13542.	Wood creosote oil.....	54
13543.	Glazed sashes.....	16
13544.	Yellow metal.....	16
13545.	Roofing paper, etc...	90
13546.	Refined solder, etc.....	45
13547.	Egg coal.....	900
13548.	Use of Dry Dock, etc., for derrick City of New York.....	2,500
13549.	Rip-rap.....	960
13550.	Cotton waste, etc.....	435
13551.	Service horse, cart and driver.....	100
13552.	Chain.....	31
13553.	Grate bars.....	31
13554.	Spruce .....per M	21
13555.	Second-hand iron chain.....	41
13556.	Iron axles, wheels and boxes.....	91
13557.	Roofing novelty siding, etc.....	261
13558.	Repairs to derrick City of New York.....	3,000
13559.	Dredging.....	500
13560.	Shell and back head for pump.....	81
13561.	Dredging.....	660
13562.	Dredging.....	800
13563.	Dock spike, etc.....	251

From the Engineer-in-Chief :

1st. Recommending that he be directed to restore the various piers and bulkheads occupied by free swimming-baths to their proper condition. Recommendation adopted.

2d. Reporting that a clump of piles at the Battery steamboat landing have been knocked down and recommending that they be repaired. The Engineer-in-Chief directed to repair.

3d. Reporting repairs required to the approach and to the surface of the new-made land at Ninety-sixth street, North river, and suggesting that it be incorporated in Secretary's Order No. 13184. Recommendation adopted.

4th. Reporting that one of the horizontal fenders on the north side of the Pier foot of One Hundred and Seventeenth street, Harlem river, has been broken, and recommending that the lessee be directed to repair. Recommendation adopted.

5th. Reporting that a fender-pile requires refastening at the northeasterly corner of the Pier at Thirty-eighth street, North river. The Engineer-in-Chief directed to repair.

6th. Reporting the completion of the work of paving the newly-made land between Dey and Barclay streets, North river, under Contract No. 447.

7th. Reporting that he has been requested by the agent of the White Star Line to cut four gangways through the backing-log in the extension to Pier, new 38, North river, and recommending that the request be granted. Recommendation adopted.

8th. Recommending that the permit granted W. A. Winne to occupy the bulkhead between Piers, new 36 and 37, North river, be revoked.

On motion, the permit granted W. A. Winne, April 27, 1888, to use and occupy the seventy-five feet of the south half of the bulkhead between Piers, new 35 and 37, North river, was revoked, and the Consumers' Ice Company, as assignee, directed to remove their ice-bridge, scales and weigh office.

On motion of Commissioner Phelan the following preambles and resolution were adopted :

Whereas, The agreement entered into by the Department of Docks under date of November 13, 1891, for the purchase from the Screw Dock Company of certain wharf property between Pike and Market Slips, including Pier 39, East river, for the sum of one hundred and ninety-six thousand nine hundred and fifty dollars, was rejected at a meeting of the Commissioners of the Sinking Fund, held July 18, 1893, which was evidently done upon the report of the Comptroller and without notice to this Board ; and

Whereas, The Board of Docks deem it to be to the advantage of the City to purchase said property ; therefore be it

Resolved, That the Commissioners of the Sinking Fund be and are hereby requested to reconsider said action, as we deem it for the best interests of the City to make certain improvements in that location.

The Secretary reported the pay-rolls for the General Repairs and Construction Force for the week ending September 15, 1893, amounting to \$13,421.46, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned to meet Monday, September 25, 1893, at 11 o'clock A. M.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The communication from the New York City Civil Service Boards, submitting a list of persons eligible for appointment as Rodmen, was tabled until Monday, September 25, 1893.

From the Engineer-in-Chief :

1st. Reporting that he directed that Eugene Gearty, Laborer, Acting Watchman, be not again assigned to duty as Acting Watchman, and recommending that his action be approved. Recommendation adopted.

2d. Reporting the resignation of William O'Connor, Blacksmith. Resignation accepted, to take effect immediately.

The following persons were appointed :

*Dock Builder.*

Lawrence J. Kelly.

*Laborers.*

Patrick Kiernan.

George H. Irwin.

Patrick Hogan.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Monday, September 25, 1893, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner Phelan.

Absent— “ White.

The minutes of the meeting held on the 18th instant were read and approved.

The following communications were tabled :

From John U. Brookman—Withdrawing his application of the 13th instant and requesting permission to rebuild the bulkhead from Eighteenth street to the centre line of the block between Nineteenth and Twentieth streets, East river.

From H. D. Brookman—Requesting permission to replace ten fender-piles in front of the bulkhead between Thirtieth and Thirty-first streets, East river.

The communication from the New Jersey Steamboat Company, requesting permission to repair Pier, old 41, North river, was tabled for one week.

The communication from Brown & Fleming, requesting permission to load four loads of cellar dirt at the bulkhead between Piers, new 21 and 22, North river, was denied.

The communication from the Engineer-in-Chief, reporting non-completion of Contract No. 437 within the time specified in said contract, was referred to the Treasurer with power.

The communication from the East River Mill and Lumber Company, requesting the removal of the public bath foot of East Ninety-fourth street, was referred to the Department of Public Works.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Harlem Market Company—To fill in inside of original high-water mark on their property between One Hundred and Second and One Hundred and Third streets, Harlem river ; said filling to continue only during the pleasure of the Board.

Pennsylvania Railroad Company—To rebuild the north ferry-rack at Thirteenth street, North river ; said ferry-rack to remain thereat only during the pleasure of the Board.

Western Union Telegraph Company—To place an underground pipe to the Pier at West Fifty-fifth street ; said pipe to remain thereat only during the pleasure of the Board.



The following communications were received, read, and

On motion, ordered to be placed on file, viz. :

From the Finance Department :

1st. Approving sureties on Contracts Nos. 457 and 459.

2d. In reference to the substitution of a surety on Contract No. 460. Notify the Comptroller, that the party proposed as said surety has written a letter declining to serve.

From the Counsel to the Corporation—Transmitting copy of judgment entered July 25, 1893, in favor of Daniel D. Lord, in the suit for possession of seventy-five feet of bulkhead on West street, running northerly from the northerly side of Clarkson street.

From the Department of Public Works—Stating that the paving-blocks for paving the space about twenty-five feet wide on the west side of Thirteenth avenue, between Twenty-fourth and Twenty-fifth streets, will be supplied by them, provided this Department furnish the labor for laying said pavement. The Engineer-in-Chief directed to proceed with the work at once ; the pavement to be laid on concrete foundation.

From the Atlas Steamship Company (Limited), lessee—Requesting the Board to expedite the work of improving the approaches to Pier, new 55, North river. Notify the Engineer-in-Chief.

From Gilbert M. Speir, Jr., attorney—Stating that he appears as attorney for Casimir de R. Moore, who is the agent and representative of William T. Moore and the heirs of Mary C. Ogden, owners in fee simple of the premises between Twenty-second and Twenty-third streets, North river.

On motion, the following preambles and resolutions were adopted :

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Department of Docks of the City of New York is authorized to acquire by purchase, in the name and for the benefit of the Corporation of the City of New York, wharf property in said city, and all rights, terms, easements and privileges pertaining thereto, subject to the approval of the Commissioners of the Sinking Fund, and agree with such owners upon a price for the same, and in case of failure to agree upon a price, to initiate legal proceedings to acquire the same for the improvement of the water-front of said city ; and

Whereas, The Board is desirous of acquiring in the name and for the benefit of the Corporation of the City of New York, all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue ; and

Whereas, It appears that William T. Moore and the heirs of Mary C. Ogden are the owners in fee simple with all its hereditaments, of the premises above named, including the riparian and wharfage rights :

Resolved, That this Board offers to purchase the said riparian and wharfage rights, with all its hereditaments, and pay for a good and sufficient title therefor, free from all incumbrances, the sum

se hundred and fifty dollars (\$350) per front foot, subject to the approval of the Commissioners Sinking Fund.

Resolved, That a copy of these preambles and resolutions be served upon Gilbert M. Speir, Jr., attorney for Casimir De R. Moore, the agent and representative of William T. Moore and the of Mary C. Ogden, and he be and hereby is requested, within ten days from receipt hereof, to notify this Board in writing, whether he will sell the said riparian and wharfage rights and interests as aforesaid to the Mayor, Aldermen and Commonalty of the City of New York for the above mentioned ; and in the event that he shall fail to notify this Board of his willingness to convey the respective riparian and wharfage rights and interests as aforesaid, it shall be deemed no price can be agreed upon for the said rights and interests between the owners thereof and the Department.

From Dock Master Osborne — Reporting repairs required to the Pier at West Thirtieth street. Engineer-in-Chief directed to repair.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending September 20, 1893, amounting to \$31,687.46, which was received and ordered to be spread in full in the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893. Sept. 3	John W. Flaherty.....	Blue print plans, dump-board, Canal st.	\$5 00		1893.
13	William J. Donaldson & Co...	Testing cement.....	10 00		
13	N. Y. L. E. & W. R. R. Co....	1 qrs. rent, Piers, new 20 and 21 and bhd. N. side Pier 29, N. R.....	25,000 00		
13	"	" W. ½ Pier 8, E. R.....	2,500 00		
13	"	" l. u. w., for widening Pier 8, E. R.....	375 00		
13	"	" l. u. w., bet. W. 22d and 23d sts., N. R.....	427 87		
13	Carroll Box and Lumber Company.....	1 mos. rent. N. side Pier at W. 19th st., N. R.....	125 00		
14	John A. McCarthy.....	1 qrs. rent, undivided 9th part, Pier, old 42, E. R. ....	12 50		
14	"	" Pier 60 and bhd. N., E. R.	375 00		
15	Long Island Land Fertilizing Company.....	" bhd. and dump, 39th st., E. R. ....	500 00		
18	L. Edward Muller.....	1 mos. rent, bhd., S. Pier, new 39, N. R.	125 00		
19	George A. Woods.....	Wharfage, District No. 2, N. R.....	149 64		
19	Edward Abeel .....	" 4, " .....	232 07		
19	E. F. Kenney.....	" 6, " .....	170 17		
19	William B. Osborne.....	" 8, " .....	61 50		
19	James J. Fleming .....	" 10, " .....	619 25		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Sept. 19	Thomas P. Walsh .....	Wharfage, District No. 12, N. R.....	\$46 80		
" 19	Henry A. Palmstine .....	" 1, E. R.....	9 60		
" 19	Charles S. Coye.....	" 3, " .....	330 51		
" 19	James A. Monaghan.....	" 5, " .....	275 00		
" 19	Joseph F. Meehan.....	" 7, " .....	105 30		
" 19	Maurice Stack.....	" 9, " .....	100 09		
" 19	James W. Carson.....	" 11, " ...	77 89		
" 19	John J. Martin.....	" 13, " .....	54 27		
				\$31,687 46	Sept. 19.
			\$31,687 46	\$31,687 46	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of nine bills or claims, amounting to \$18,454.14, which were approved and audited and ordered to be spread in full on the minutes, as follows :

Construction Account.		
Audit No.	Name.	Amount.
13576.	Christian Lauer, Estimate No. 2, and final Contract No. 447.....	\$12,679 90
13577.	Baetjer & Meyerstein, cement.....	4,305 69
13578.	H. P. Sheridan, rip-rap .....	930 88
13579.	Abraham Steers, spruce.....	159 06
13580.	F. W. Devoe and C. T. Raynolds Company, tracing cloth, etc....	137 04
13581.	Henry B. Newhall Company, washers.....	108 43
13582.	Gas Engine and Power Company, repairs to launch.....	103 00
13583.	John A. Roebling's Sons Company, steel rope.....	20 20
13584.	W. & J. Sloane, shades.....	9 94
		<u>\$18,454 14</u>

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13564.	Galvanized-iron blocks, etc.....	\$50 00
13565.	Yellow pine piles.....	7,000 00
13566.	Blue print paper, etc.....	49 60
13567.	Galvanized-iron shingles.....	131 50
13568.	Iron hooks..... per pound	16
13569.	Grate bars..... "	2 3/4
13570.	Broken stone..... per cubic yard	1 32
13571.	Cast-iron mooring-posts..... per pound	2
13572.	Rough white pine..... per M.	21 00
13573.	Bolt nuts.....	64 00
13574.	Cobble.....	2,670 00
13575.	Treenails.....	550 00
13576.	Tar brushes, etc.....	67 25
13577.	Engine oil.....	150 00
13578.	Services of sprinkling carts.....	196 00
13579.	Diving dresses, etc.....	715 92
13580.	Cement.....	2,150 00
13581.	Rip-rap.....	640 00
13582.	Services of horse, cart and driver.....	105 00
13583.	Piles.....	1,200 00
13584.	New pinion for pile-driver.....	10 00

The Treasurer reported that he had received estimates for furnishing the Department with yellow pine piles, broken stone and cobble, as follows :

*About 500 Sound and Straight Y. P. Piles 60 to 65 Feet by 12 Inches in Diameter, 22 Feet from Butt.*

William Taylor.....	each	\$9 17
Alfred J. Murray.....	"	9 75
E. Mors & Co.....	"	12 95
C. N. Kimpland.....	"	13 50
Graves & Steers.....	"	13 75
W. H. Beard.....	"	14 00

*About 1,000 Cubic Yards of Broken Stone.*

Brown & Fleming.....	per cubic yard	\$1 20
Carpenter Bros.....	"	1 24
Baker Contracting Company.....	"	1 26 1/2
John J. Donovan.....	"	1 29
H. P. Sheridan.....	"	1 32
Hudson River Stone Supply Company.....	"	1 35

*About 3,000 Cubic Yards of Cobble Stone.*

Brown & Fleming.....	per cubic yard	\$0 85
H. P. Sheridan.....	"	87½
Bouker Contracting Company.....	"	95
		<hr/>

The action of the Treasurer in awarding the orders to William Taylor and Brown & Fleming, they being the lowest bidders, approved.

From the Engineer-in-Chief:

1st. Report for the week ending September 16, 1893.

2d. Recommending that the permit granted Cornelius McMonagle, March 24, 1892, for a berth between Piers, new 28 and 29, North river, be suspended for one week, in order that the Department may point the section of the wall thereat. Recommendation adopted.

3d. Submitting specifications and form of contract for the removal of Pier, old 29, the shed and other structures thereon and dredging over site of same on the North river.

4th. Reporting completion of the work of paving between Twenty-fourth and Twenty-fifth streets, North river, under Contract No. 451.

5th. Reporting repairs required to Pier, new 60, North river. The Engineer-in-Chief directed to repair.

6th. Reporting repairs required to the easterly side of Pier 12, East river. Owners directed to repair.

7th. Reporting repairs required to the Pier foot of Jane street, Pier, new 59, and Pier, new 60, North river, and Pier foot of Thirty-second street, East river. The lessees directed to repair.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13155. Approving plans and specifications for the proposed shed on the extention to Pier, old 28, North river. Plans approved.

No. 13180. Submitting cost of repairs to Pier, new 22, North river, damaged by the ferry-boat "Newburgh." The Treasurer authorized to collect from the West Shore Railroad Company.

No. 13192. As to the repairs required to the Pier foot of West Thirty-fourth street. The Engineer-in-Chief directed to repair.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 12965. Placing of a float and crib-block foot of West One Hundred and Thirty-ninth street.

No. 12988. Repairs to the ferry-rack at Fourteenth street, North river.

No. 13005. Erection of a fence between Ninety-sixth and Ninety-seventh streets, North river.

No. 13068. Removal of derrick-masts from Pier, new 44, to Pier, new 38, North river, and the repairing of chocks and fenders on said pier.

No. 13069. Tested one barrel of Portland cement for Herman Aich.

No. 13156. Unloading of two scow-loads of sand at Pier at Jackson street, East river.

No. 13167. Removal of lighter "Annie," sunk at the bulkhead between Thirtieth and Thirty-first streets, East river.

No. 13175. Repairs to the pavement in front of Pier, old 32, East river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

Nos. 12721, 12722, 12723, 12724, 12725, 12726, 12727, 12728, 12729, 12730, 12731, 12734, 12735, 12766 and 12865, made arrangements for berthing public baths at the following locations :

The Battery ; foot of Duane street ; foot of West Fiftieth street ; foot of West One Hundred and Thirty-fourth street ; foot of Market street ; Pier 55, East river ; Fifth street, East river ; Twenty-eighth street, East river ; Fifty-first street, East river ; One Hundred and Twelfth street, East river ; One Hundred and Thirty-eighth street, Long Island Sound ; Horatio street, North river ; East Eighteenth street ; East Ninety-fourth street ; and at Pier foot of West Twentieth street.

No. 12942. Repaired a portion of the pavement on the bulkhead foot of Forty-eighth street, East river.

No. 13107. Replaced a mooring-post on outer corner of Pier, old 54, North river.

No. 13112. Replaced some piles at the Hospital Dock, Ward's Island.

No. 13118. Made requisition for dredging in front of Pier at North Brother Island.

No. 13125. Repaired sheathing on the Pier at West Fiftieth street.

No. 13126. Repaired sheathing on the Pier at West Forty-seventh street.

No. 13160. Repaired approach to the Pier foot of Thirteenth street, North river.

No. 13162. Drove and fastened spring piles on both sides of Pier, old 57, North river.

No. 13163. Drove and fastened spring piles on the south side of Pier, old 58, North river.

No. 13170. Drove and fastened spring piles and cut a sluiceway on the south side of the bulkhead at East Seventeenth Street Yard.

No. 13193. Repaired a clump of piles at the Battery Wharf.

The Secretary reported that the right to collect and retain all wharfage accruing at the following-named pier on the North river, had been sold to the highest bidder therefor, as named below at the public sale, held Wednesday, September 20, 1893, at 12 o'clock noon, at Pier "A," North river, by Van Tassell & Kearney, auctioneers, for the terms and at the price stated respectively, to wit :

*On the North River.*

For the term of ten years from the date of the completion of the pier, with privilege of renewal for a term of ten years, at an advanced rental of ten per cent.

Pier at the foot of West Fifteenth street, together with privilege of erecting and maintaining shed thereon ; the shed to revert to, and become the property of the Mayor, Aldermen, and Commonalty of the City of New York, at the expiration or sooner termination of the lease.

To the Central Railroad Company of New Jersey, for the sum of \$11,000 per annum.

The sale of the bulkhead on the East river, between Pier, old 20, and Pier, old 21, about 13 feet, advertised to take place this day, was adjourned by direction of the Commissioners before the sale, until Wednesday, September 27, 1893, at 12 o'clock noon, and the Secretary directed to continue the advertisement of said sale in the CITY RECORD.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending September 22, 1893, amounting to \$13,037.32, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned, to meet Wednesday, October 4, 1893, at 2 o'clock P. M.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

A communication from the New York City Civil Service Boards stating that William H. Cherry Rodman, is eligible for promotion to the position of Leveler, was ordered on file and the following resolution adopted :

Resolved, That William H. Cherry, Rodman, who has been certified to by the Civil Service Board as eligible for such position be and hereby is appointed on probation as Leveler in the service of this Department, with compensation at the rate of \$83.33 per month, to take effect October 1893.

On motion, Charles J. Keen, Dock Builder, was ordered to be restored to duty.

The following persons were appointed :

Thomas F. Murphy.	<i>Laborers.</i>	Henry Grimm.
	<i>Dock Builder.</i>	
	John L. Dalton.	

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Wednesday, October 4, 1893.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held September 25, 1893, were read and approved.

The communication from the Mayor's office, respecting the acquisition of wharf property foot of East One Hundred and Fourteenth street, was referred to Commissioner White.

The following communications were referred to the Engineer-in-Chief :

From the Department of Public Charities and Correction—Requesting a landing place foot of East Seventy-eighth street.

From Dock Master Woods—Requesting supplies for his office.

The following communications were referred to the Dock Master to examine and report :

From Henry A. Peck and Company—Requesting permission to retain berth on the north side of Pier 61, East river.

From the Consumers' Ice Company—Requesting permission to occupy the bulkhead between Piers, new 39 and 40, or between Piers, new 42 and 43, North river.

The following permits were granted ; the work to be kept within existing lines and to be done under the supervision of the Engineer-in-Chief :

John U. Brookman—To rebuild the bulkhead from East Eighteenth street to the centre line of the block between Nineteenth and Twentieth streets.

H. D. Brookman—To replace ten fender piles at the bulkhead between Thirtieth and Thirty-first streets, East river.

New York, New Haven and Hartford Railroad Company—To drive seventy piles at Pier, old 45, East river.

E. A. Cruikshank, Agent—To repair bulkhead between Ninety-third and Ninety-fourth streets, East river.

The following permits were granted to continue only during the pleasure of the Board :

Captain Tozier—To berth the Revenue cutter "Grant" in the vicinity of East Twenty-sixth street.

L. Edward Muller—To place a portable hopper on wheels 4 feet wide, 10 feet long and 12 feet high on the bulkhead south of Pier, new 39, North river ; said hopper to be placed thereat under the supervision of the Engineer-in-Chief.



Archibald Watt —To berth the steam yacht "Golden Rod," at the Pier foot of One Hundred and Fortieth street, Harlem river, compensation to be paid therefor at the rate of \$1 per day Sundays included, payable at the end of each week to the Dock Master.

C. H. Mallory & Company—To occupy the bulkhead between Piers old, 20 and 21, East river, compensation to be paid therefor at the rate of \$1,000 per annum, payable at the end of each quarter to the Treasurer.

On motion, the lease of said bulkhead, which was advertised to be sold Wednesday, September 27, 1893, was, by order of the Commissioners, withdrawn from the sale.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Requesting a map of the west side of the Harlem river, from One Hundred and Seventy-fourth to One Hundred and Eighty-second street. The Engineer-in-Chief directed to furnish a map.

2d. Transmitting summons and complaint in the suit of Lorton vs. The Mayor, etc., to recover damages for the destruction of wharfage rights appurtenant to the fifty-five feet six inches of bulkhead on West street, next southerly of Spring street, and requesting information regarding same. The Secretary directed to furnish the information.

From the Finance Department—Returning the proposal of James P. Carson for dredging under Contract No. 460.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted for the substitution of John Harlin as surety in place of Thornton N. Motley on estimate of James P. Carson, for dredging at Pier, new 40, and at Pier, new 59, on the North river, under Contract No. 460.

From Captain Allaire, Thirty-seventh Precinct—Stating that the accommodations in the station at Pier "A" are inadequate.

From J. H. Wilkes, president —Asking that the rule forbidding the placing of trucks over night on the farm be suspended.

From the Fort Lee Park and Steamboat Company—Stating that the awning shed on the East foot West Thirteenth street will be removed, as requested August 30, 1893.

From Francis Sheridan —Requesting permission to take up the pavement to repair the water main in front of Desbrosses Street Ferry. Permit granted, the work to be done under the supervision of the Engineer-in-Chief.

From the Consolidated Gas Company—Requesting permission to relay the service pipe under West Twenty-fourth street. Permit granted, on the usual terms.

From the American Committee Statue of Liberty—Requesting permission to erect a small waiting-room on the Battery wharf. Application denied.

From the Occident Dock Company, Lessee—Requesting repairs to Pier, new 59, North river, at their expense. The Engineer-in-Chief directed to repair and report cost for collection.

From the New Jersey Steamboat Company—Requesting permission to repair Pier, old 41, North river. Request said Company to have a representative appear before the Board Thursday, October 12, 1893.

From Simon Sterne, Attorney, on behalf of the Hudson Tunnel Railway Company—Requesting an extension of two weeks of the order of September 8, 1893, revoking the permit to occupy the reclaimed land south of Pier, new 42, North river. Time extended for two weeks.

From Dock Master Palmstine—Reporting repairs required to Pier, new 6, East river. The Engineer-in-Chief directed to repair.

From Dock Master Woods—Recommending that the charges for wharfage against the Knickerbocker Steamboat Company for landing at the Castle Garden wharf from April 27 to May 5, 1893, be cancelled. Recommendation adopted.

From Dock Master Monaghan—Reporting repairs required to Pier 55, East river. The Engineer-in-Chief directed to repair.

From Dock Master Stack—Reporting repairs required to the pier at East Ninety-fifth street. The Engineer-in-Chief directed to repair.

From Dock Master Kenney :

1st. Reporting repairs required to the pier at West Twentieth street. The Engineer-in-Chief directed to repair.

2d. Reporting repairs required to the pier at Horatio street. The Lessee directed to repair.

3d. Reporting the building of a stable under the dumping-board foot of West Sixteenth street. Notify Bernard Campbell, Lessee, to remove.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the weeks ending September 27 and October 4, 1893, amounting to \$74,123.14, which was received and ordered to be spread in full on the minutes, as follows :

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Sept. 20	William A. Hall.....	16 days rent for bath at Battery.....	\$133 33		
" 20	Central R. R. of N. J.....	1 qrs. rent, Pier at 15th st., N. R.....	2,750 00		
" 20	Greenpoint Ferry Co.....	" bld. S. of 24th st., E. R....	1 025 00		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D. DE IT
1893.					18
Sept 23	W. W. Rossiter.....	1 qrs. rent, Pier, new 57, N. R.....	\$6,250 00		
" 23	Occident Dock Co.....	" Pier, new 59, N. R.....	3,125 00		
" 23	Barney Dumping Boat Co....	Dredging at E. 46th st., E. R.....	45 44		
" 25	John R. McPherson.....	1 qrs. rent, l. u. w. pfm., S. Pier at 40th st., N. R.....	57 75		
" 25	National Transit Co.....	" l. u. w. pfm., N. 97th st., N. R.....	25 00		
" 25	John A. Bouker.....	" N. half and outer end Pier at W. 12th st., N. R....	525 00		
" 25	" .....	" Pier at 46th st., N. R.....	750 00		
" 25	" .....	" bhd. ft. E. 73d st., E. R....	200 00		
" 25	Popham & Co.....	" bhd. at 36th st., E. R.....	65 00		
" 25	N. Y. & Texas S. S. Co.....	" E. half Pier 20, E. R.....	1,925 00		
" 25	" .....	" W. half Pier 21, E. R.....	1,600 00		
" 26	Adam Neillinger.....	" bhd at 63d st., E. R.....	120 00		
" 26	" .....	" bhd., etc., at 64th st., E. R.	175 00		
" 26	Farmers' Feed Co.....	" filled in land N. 62d st., E. R.....	25 00		
" 26	Bernheimer & Schmid.....	" l. u. w. pfm., N. 108th st., N. R.....	150 37		
" 26	Hoboken Ferry Co.....	" Bell Tower, Pier new 15, N. R.....	25 00		
" 26	" .....	" l. u. w., widening Ferry sl. ft. Barclay st., N. R....	1,000 00		
" 26	Hoboken Land & Imp. Co....	" l. u. w. for ferry structure S. of Barclay st., N. R...	2,151 06		
" 26	Geo. A. Woods.....	Wharfage District No. 2, N. R. ....	\$891 05	\$22,172 95	Se
" 26	Edward Abeel.....	" 4, " .....	401 20		
" 26	B. F. Kenney.....	" 6, " .....	484 93		
" 26	W. B. Osborne.....	" 8, " .....	43 40		
" 26	James J. Fleming.....	" 10, " .....	144 12		
" 26	Thomas P. Walsh.....	" 12, " .....	21 00		
" 26	W. A. Palmstine.....	" 1, E. R.....	11 80		
" 26	Charles S. Coye.....	" 3, " .....	209 96		
" 26	James A. Monaghan.....	" 5, " .....	192 53		
" 26	Joseph F. Meehan.....	" 7, " .....	39 00		
" 26	Maurice Stick.....	" 9, " .....	145 90		
" 26	James W. Carson.....	" 11, " .....	65 92		
" 26	John W. Martin.....	" 13, " .....	49 95		
" 26	Am. Committee Statue of Lib- erty.....	6 mos. rent, landing at Battery.....	50 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
Manhattan R'y Co.....	1 qrs. rent, l. u. w., W. of 159th st., H. R.....	\$1,750 00		
Suburban Rapid Transit Co...	" l. u. w., Bridge Pier, 129th st. and Second ave.....	125 00		
N. Y. L. E. & W. R. R. Co.....	" Pier ft. 49th st., N. R.....	2,500 00		
Thomas Smith.....	Filling in bet. 23d and 24th sts., N. R..	700 00		
New Haven S. Boat Co.....	1 qrs. rent Pier 25 and bhd. adj., E. R.	2,250 00		
" .....	" W. half Pier 26 and bhd. adj. E. R.....	750 00		
Nassau Ferry Co.....	" l. u. w., for Pier S. of Houston st., E. R.....	75 00		
" .....	" bhd. etc., at and S. of Houston st., E. R.....	625 00		
			\$11,085 76	Sept. 28
Knickerbocker Ice Co.....	" south side Pier at 33d st., E. R.....	\$375 00		
" .....	" bhd. at 93d st., E. R.....	330 00		
" .....	" l. u. w. for extension Pier at 43d st., N. R.....	25 00		
" .....	" bhd. at Bank st., N. R....	212 50		
Clark & Seaman.....	" l. u. w. pfm. bet. Piers 8 and 9, N. R.....	375 00		
Wm. Cruikshank, Agt.....	" l. u. w. for extension Pier 9, N. R.....	200 00		
Ehrenreich Bros.....	" pfm. S. 63d st., E. R.....	25 00		
" .....	" filled in land bet. 62d and 63d sts., E. R.....	25 00		
Murray Co.....	" bhd. foot 14th st., E. R....	131 25		
N. Y. Horse Manure Co.....	" Pier at 45th st., N. R.....	875 00		
Cedar Hill Ice Co.....	1 mos. rent, bhd. S. Little West 12th st.	125 00		
International Nav. Co .....	1 qrs. rent, Pier, new 43, N. R.....	6,000 00		
Sheridan & Byrne.....	" Pier at 5th st., E. R.....	925 00		
			9,623 75	Sept. 30
Jas. J. Herbert .....	" bhd. at East 104th st.....	\$125 00		
Carroll Box & Lumber Co....	1 mos. rent, north side Pier at 19th st., N. R.....	125 00		
J. B. & J. M. Cornell.....	1 qrs. rent, bhd. bet. Piers 56 and 57, N. R.....	625 00		
New Jersey S. B. Co.....	1 mos. rent, Pier, old 40, N. R.....	1,656 67		
Quebec S. S. Co.....	" bhd. bet. Piers 46 and 47, N. R.....	83 33		
Long Island R. R. Co.....	1 qrs. rent, l. u. w. pfm. bet. Piers 32 and 33, E. R.....	5 0 00		
Oceanic Steam Nav. Co.....	" Pier, new 38 and bhd. each side.....	10,000 00		

Name.	Amount.
Morris & Cumings Dredging Company, dredging.....	\$694 00
Murray & Co., sand.....	1,151 45
Osborn & Broderick Company, saws, etc.....	200 00
Taunton Copper Manufacturing Company, metal, etc.....	17 12
John Loyd, grate bars.....	37 53
Walker Chemical Company, oil.....	55 98
McNab & Harlin Manufacturing Company, pipe, etc.....	93 20
Isaac Hall's Son, chain.....	38 50
Heipershausen Bros., towing.....	246 67
James S. Barron & Co., pickaxes, etc.....	69 00
Peter Timme's Sons, spikes.....	180 00
Fiske Bros., oil.....	141 49
Abraham Steers, doors, etc.....	32 00
The American Forcite Powder Manufacturing Company, powder, etc.....	456 30
New York Belting and Packing Company, hose, etc.....	160 50
	————— \$29,123 13

*General Repairs Account.*

William B. Leddy, white wood, etc.....	\$100 62
Bell Brothers, spruce.....	840 00
Morris & Cumings Dredging Company, dredging.....	936 75
	————— 1,877 37

*Construction Account.*

Colin McLean, Estimate No. 2, Contract No. 449.....	\$23,276 25
William D. Wheelwright and Charles B. Hewitt, Estimate No. 2, Contract No. 448.....	5,138 41
Morris & Cumings Dredging Company, Estimate No. 3, Contract No. 433.....	9,183 09
H. P. Sheridan, rip-rap.....	965 75
Alexander Pollock, hoisting engine, etc.....	1,698 94
John F. Walsh, Jr., white oak, etc.....	372 00
The National Sheet Metal Roofing Company, galvanized shingles, etc.....	131 30
Joseph Edwards & Co., repairs to pump.....	84 50
Morris & Cumings Dredging Company, dredging.....	104 40
Baetjer & Meyerstein, cement.....	1,937 56
	————— 42,892 31

General Repairs Account.

Audit No.	Name.	Amount.
13623.	Edward McKeever, service horse, cart, etc.....	\$210 00
13624.	Thomas Kelly, sprinkling.....	196 00
13625.	Isaac Hall's Son, chain.... ,.....	48 10
		<hr/> \$454 10
		<hr/> \$74,346 91

Respectfully submitted,

J. SERGEANT CRAM, {  
JAMES J. PHELAN, { Auditing Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13585.	Service of horse, cart and driver .....	\$210 00
13586.	Sand..... Per cubic yard	70
13587.	Repairs, etc., to level.....	20 00
13588.	Receipt book.....	15 60
13589.	Crow-bars, hose, etc.....	196 20
13590.	Rastard files, etc.....	70 00
13591.	White lead, etc.....	154 00
13592.	Canvas duck, etc.....	112 70
13593.	Spruce pike poles.....	48 00
13594.	Rip-rap stone..... Per cubic yard	33
13595.	Repairs to diver's helmet and collar....	12 00
13596.	Blocks, etc.....	432 00
13597.	Gravel.....	150 00
13598.	Stoves, etc.....	27 00
13599.	Cleats and washers.....	190 00
13600.	Piles.....	8,000 00
13601.	Cocoa-nut street brooms.....	48 00
13602.	Rip-rap stone.....	960 00
13603.	Stove, etc.....	10 00
13604.	Stoves, etc.....	46 00
13605.	Dredging.....	950 00
13606.	Dredging.....	950 00
13607.	Dredging .....	.....
13608.	Covering boiler, etc.....	116 85
13609.	Printing, etc.....	145 00
Requisition No.		<hr/>
612.	Hickory Wood.....	\$30 00
613.	Stationery, etc.....	.....

The Treasurer reported that he had received estimates for furnishing the Department with Portland cement and yellow pine piles as follows :

1,000 Barrels Quick Setting Portland Cement.

Baejer & Meyerstein .....	Per barrel	\$1 95
James Brand .....	"	2 05
Sadair & Babson .....	"	2 29

About 100 Sound and Straight Yellow Pine Piles, 70 to 75 Feet Long.

Alfred J. Murray .....	each	\$11 00
William Taylor .....	"	11 68
Graves & Steers .....	"	12 20
E. Mors & Co. ....	"	14 00
W. H. Beard .....	"	14 00
C. N. Kimpland .....	"	14 25

The action of the Treasurer in awarding the orders to Baejer & Meyerstein and Alfred J. Murray, they being the lowest bidders, approved.

From the Engineer-in-Chief :

- 1st. Reports for the weeks ending September 23 and 30, 1893.
- 2d. Reporting the completion of Contracts Nos. 433 and 442.
- 3d. Recommending the relaying of the payment foot of Vestry street and in front of Pier, new 22, North river ; also the depressing of the silt basins between said streets. Recommendation adopted.
- 4th. Reporting damage to Pier, new 22, North river, by the ferryboat " Newburgh," September 22, 1893. The Engineer-in-Chief directed to repair and report cost for collection from the West Shore Railroad Company.
- 5th. Reporting repairs required to the Pier at West Twentieth street, Pier new 6, Pier 55, and bulkhead between Piers 43 and 44, East river, and bulkhead between One Hundred and Thirty-ninth and One Hundred and Fortieth streets, Harlem river. The Engineer-in-Chief directed to repair.
- 6th. Reporting repairs required to the pier at West Sixteenth street and bulkhead at Pier 21, East river. Lessees notified to repair.
- 7th. Reporting repairs required to the piers foot of East Sixth and Seventh streets. Occupants notified to repair.
- 8th. Recommending that the Department of Public Works be requested to repair the pavement north of the seventy-foot line in conjunction with the repairs to be made to the bulkhead at Pier new 24, North river, by the lessees. Recommendation adopted.
- 9th. Report on Secretary's Order No. 13190 Recommending that the claim of Christian Bauer, amounting to \$935.69, for extra work on Contract No. 447, for paving the newly made land between Dey and Barclay streets, North river, be denied. Recommendation adopted.

10th. Report on Secretary's Orders Nos. 13079, 13121 and 13166—Submitting cost of repairs to the Pier at East Fifth street for collection from Sheridan & Byrne; cost of repairs to the Battery wharf for collection from the owners of the steamboat "Elberon" and cost of repairs to the bulkhead between Piers, old 1, and new 1, North river, for collection from W. J. Murray, lessee. Treasurer authorized to collect.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13177. Repairing floor of room 2, Pier "A," North river.

No. 13145. Repairing leak in the water-pipe on the bulkhead at West Tenth street.

No. 13151. Repairing pavement on the bulkhead between Seventy-fifth and Seventy-ninth streets, North river.

No. 13164. Erected bumper to protect the fence on the bulkhead at Second avenue, Harlem river.

No. 13184. Repaired the sewer and approach to bulkhead at Ninety-sixth street, North river.

No. 13185. Tested one barrel of Portland cement for William J. Donaldson & Co.

No. 13205. Repairing pier at West Thirtieth street.

The Engineer-in-chief reported the following work had been superintended under Secretary's orders :

No. 13111. Repairs to pier at East One Hundred and Seventeenth street.

No. 13119. Repairs to ferry-rack at Houston Street Ferry.

No. 13150. Removal of old concrete mixer at East Twenty-fifth street.

No. 13154. Erection of fence on the bulkhead between Piers 26 and 27, East river.

No. 13161. Repairs to bulkhead south of West Seventeenth street.

No. 13183. Placing of a portable house on the bulkhead between Piers 23 and 24, East river.

No. 13188. Repairs to Pier 23, East river.

No. 13196. Repairs to pier at East One Hundred and Seventeenth street.

No. 13199. Removal of shanty between Seventy-fourth and Seventy-fifth streets, North river.

The Engineer-in-Chief returned Secretary's Orders Nos. 13042, 13076, 13097, 13128, 13144, 13165 and 13194.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to renew and replace all worn out or decayed parts of the ten-ton derrick, for the work of construction under new plan, and put the same with the necessary engines, pumps and machinery in complete working order; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882; and that it be done by day's work by the force of the Department, and that all the materials, tools, etc., for the same not now contracted for, or



may not hereafter be contracted for, be purchased by the Treasurer otherwise than by con-

The President gave notice that at the next meeting of the Board he would offer for adoption a unanimous resolution for the building of piers foot of West Fifty-fourth and East Ninety-sixth streets by the force of the Department.

The President also gave notice that at the next meeting of the Board he would offer a unanimous resolution for the building of two new pile drivers, and a unanimous resolution for paving the dumping-board and the approach to the new Pier foot of Canal street, North river.

The Treasurer entered a protest against awarding any Treasurer's orders for dredging to Clark, Lary & Co., under resolution of the Board of July 27, 1893.

The Secretary reported that the pay-rolls for the month ending September 30, 1893, amounting to \$105,92, and the pay-rolls for the general repairs and construction force for the week ending October 29, 1893, amounting to \$13,683.20, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary submitted a report of the tonnage of vessels berthed on the North, East and West rivers, for the month ending August 31, 1893, which was ordered to be spread in full on the minutes, as follows :

NORTH RIVER.		Tons.	Tons.
.....	.....	263,637	
C. ....	.....	1,520,600	
		—————	1,784,237
EAST RIVER.			
.....	.....	33,065	
C. ....	.....	558,741	
		—————	591,806
HARLEM RIVER.			
.....	.....	1,078	
C. ....	.....	17,613	
		—————	18,691
			=====

On motion, the Secretary was directed to request Alderman Owens to modify the resolution proposed by him at a meeting of the Board of Aldermen, October 3, 1893, so as to stop the regulating of One Hundred and Thirty-ninth street at Fifth avenue.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The communication from the Engineer-in-Chief reporting the absence of Francis J. M for three days without being excused was received, and said Mooney discharged.

On motion, the resignations of Charles X. Gilligan and James Holland, Dock Builders accepted.

The following persons were appointed :

*Laborers.*

William J. Tubbs.

Deris Kehoe.

*Dock Builders.*

Hugh Jordan.

Thomas Ohrt.

Patrick Slack.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. "A," Battery place, Thursday, October 12, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 4th instant were read and approved.

The communication from Benjamin Richards offering to sell to the City the property of the New York Floating Dry Dock Company, consisting of four hundred and forty-four feet of bulkhead, between Pike and Rutgers Slips, and eight-ninths of Pier, old 42, East river, for \$450,000, was referred to Commissioners White and Phelan.

The communication from the Engineer-in-Chief, reporting the completion of Contract No. 441, and requesting instructions as to the deduction to be made for overtime in completing the shed on the Pier foot of East Third street, was referred to the Treasurer.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief, and to continue only during the pleasure of the Board :

Nathan Straus—To erect a coal-bin, eighty feet long six feet high and twelve feet wide, on the north side of the Pier foot of East Third street.

Metropolitan Telephone and Telegraph Company—To attach a submarine cable to Pier, new 15, North river.

Consumers' Brewing Company, lessee—To build a crib-bulkhead from the northerly line of East Fifty-fourth street to the centre line of the block between Fifty-fourth and Fifty-fifth streets, East river.

Lone Star Boat Club—To remove and replace boat-house at One Hundred and Fifty-third street, Harlem river.

Kipp's Bay Brewing Company—To repair the dock between Thirty-seventh and Thirty-eighth streets, East river.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Comptroller—Approving sureties on Contract No. 460.

From the Counsel to the Corporation :

1st. Requesting the lease of Pier foot of One Hundred and Thirty-eighth street, North river, to James Rodgers. The Secretary directed to transmit said lease.

2d. Requesting information respecting the claim against the Forty-second Street, Manhattan-ville and St. Nicholas Avenue Railroad. The Secretary directed to furnish the information.

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D. DE IT
1893.					18
Sept 23	W. W. Rossiter.....	1 qrs. rent, Pier, new 57, N. R.....	\$6,250 00		
" 23	Occident Dock Co.....	" Pier, new 59, N. R.....	3,125 00		
" 23	Barney Dumping Boat Co....	Dredging at E. 46th st., E. R.....	45 44		
" 25	John R. McPherson.....	1 qrs. rent, l. u. w. pfm., S. Pier at 40th st., N. R.....	57 75		
" 25	National Transit Co.....	" l. u. w. pfm., N. 97th st., N. R.....	25 00		
" 25	John A. Bouker.....	" N. half and outer end Pier at W. 12th st., N. R....	525 00		
" 25	" .....	" Pier at 46th st., N. R.....	750 00		
" 25	" .....	" bhd. ft. E. 73d st., E. R....	200 00		
" 25	Popham & Co.....	" bhd. at 36th st., E. R.....	65 00		
" 25	N. Y. & Texas S. S. Co.....	" E. half Pier 20, E. R.....	1,925 00		
" 25	" .....	" W. half Pier 21, E. R.....	1,650 00		
" 26	Adam Neidlinger.....	" bhd at 63d st., E. R.....	120 00		
" 26	" .....	" bhd., etc., at 64th st., E. R.	175 00		
" 26	Farmers' Feed Co.....	" filled in land N. 62d st., E. R.....	25 00		
" 26	Bernheimer & Schmid.....	" l. u. w pfm., N. 108th st., N. R.....	150 37		
" 26	Hoboken Ferry Co.....	" Bell Tower, Pier new 15, N. R.....	25 00		
" 25	" .....	" l. u. w., widening Ferry sl. ft. Barclay st., N. R....	1,000 00		
" 26	Hoboken Land & Imp. Co....	" l. u. w. for ferry structure S. of Barclay st., N. R...	2,151 06		
" 26	Geo. A. Woods.....	Wharfage District No. 2, N. R.....	\$891 05	\$22,172 95	Se
" 26	Edward Abeel.....	" 4, " .....	401 20		
" 26	B. F. Kenney.....	" 6, " .....	484 93		
" 26	W. B. Osborne.....	" 8, " .....	43 40		
" 26	James J. Fleming.....	" 10, " .....	144 12		
" 26	Thomas P. Walsh.....	" 12, " .....	21 00		
" 26	W. A. Palmstine.....	" 1, E. R.....	11 80		
" 26	Charles S. Coye.....	" 3, " .....	269 96		
" 26	James A. Monaghan.....	" 5, " .....	192 53		
" 26	Joseph F. Meehan.....	" 7, " .....	39 00		
" 26	Maurice Stuck.....	" 9, " .....	145 90		
" 26	James W. Carson.....	" 11, " .....	65 92		
" 26	John W. Martin.....	" 13, " .....	49 95		
" 26	Am. Committee Statue of Lib- erty.....	6 mos. rent, landing at Battery.....	50 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
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Thomas Smith.....	Filling in bet. 23d and 24th sts., N. R..	700 00		
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" .....	" W. half Pier 26 and bhd. adj. E. R.....	750 00		
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" .....	" bhd. etc., at and S. of Houston st., E. R.....	625 00		
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" .....	" filled in land bet. 62d and 63d sts., E. R.....	25 00		
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Long Island R. R. Co.....	1 qrs. rent, l. u. w. pfm. bet. Piers 32 and 33, E. R.....	5 0 00		
Oceanic Steam Nav. Co.....	" Pier, new 38 and bhd. each side.....	10,000 00		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893. Oct. 3	Oceanic Steam Nav. Co.....	1 qrs. rent, Piers, new 44 and 45, bhd. bet. and 1/2 bhd. N. Pier, new 45. N. R.....	\$16,225 94		1893.
" 3	George A. Woods.....	Wharfage, District No. 2, N. R.....	170 56		
" 3	Edward Abeel.....	" 4, " ....	175 14		
" 3	B. F. Kenney.....	" 6, " ....	195 11		
" 3	William B. Osborne.....	" 8, " ...	45 90		
" 3	James J. Fleming .....	" 10, " ....	151 88		
" 3	Thomas P. Walsh.....	" 12, " ....	58 26		
" 3	Henry A. Palmstine.....	" 1, E. R.....	232 00		
" 3	Charles S. Coye.....	" 3, " ....	267 07		
" 3	James A. Monaghan.....	" 5, " ....	195 40		
" 3	Joseph F. Meehan.....	" 7, " ....	91 10		
" 3	Maurice Stack.....	" 9, " ....	215 71		
" 3	James W. Carson.....	" 11, " ....	45 83		
" 3	John J. Martin.....	" 13, " ....	45 78		
				\$31,240 68	Oct. 3
			\$40,864 43	\$40,864 43	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of forty-one bills or claims, amounting to \$74,346.91, which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.		
Audit No.	Name.	Amount.
13585.	Carroll Box and Lumber Company, pine, etc.....	\$189 32
13586.	David Duncan & Son, coal .....	925 16
13587.	Alexander Pollock, rope, etc .....	1,185 68
13588.	Baetjer & Meyerstein, cement .....	1,324 42
13589.	Milliken Bros , iron bins, etc.....	2,172 12
13590.	Peter Timme's Sons, bolts, nuts, etc.....	2,438 85
13591.	Hudson River Stone Supply Company, broken stone .....	2,546 95
13592.	John Cox, Estimate No. 2 and Final Contract No. 451 .....	2,592 89
	Ed J. Murray, piles .....	4,218 00
	in, Estimate No. 2, Contract No. 442.....	7,956 00

<b>Acct No</b>	<b>Name.</b>	<b>Amount.</b>	
13595.	Morris & Cumings Dredging Company, dredging.....	\$694 00	
13596.	Murray & Co., sand.....	1,151 45	
13597.	Osborn & Broderick Company, saws, etc.....	200 00	
13598.	Taunton Copper Manufacturing Company, metal, etc.....	17 12	
13599.	John Loyd, grate bars.....	37 53	
13600.	Walker Chemical Company, oil.....	55 98	
13601.	McNab & Harlin Manufacturing Company, pipe, etc.....	93 20	
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*General Repairs Account.*

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13611.	Bell Brothers, spruce.....	840 00	
13612.	Morris & Cumings Dredging Company, dredging.....	936 75	
		— — —	1,877 37

*Construction Account.*

13613.	Colin McLean, Estimate No. 2, Contract No. 449.....	\$23,276 25	
13614.	William D. Wheelwright and Charles B. Hewitt, Estimate No. 2, Contract No. 448.....	5,138 41	
13615.	Morris & Cumings Dredging Company, Estimate No. 3, Contract No. 433.....	9,183 09	
13616.	H. P. Sheridan, rip-rap.....	965 75	
13617.	Alexander Pollock, hoisting engine, etc.....	1,698 94	
13618.	John F. Walsh, Jr., white oak, etc.....	372 00	
13619.	The National Sheet Metal Roofing Company, galvanized shingles, etc.....	131 30	
13620.	Joseph Edwards & Co., repairs to pump.....	84 50	
13621.	Morris & Cumings Dredging Company, dredging.....	104 40	
13622.	Baetjer & Meyerstein, cement.....	1,937 56	
		— — —	42,892 31

The action of the President in transmitting the same with requisitions for the amount to Finance Department for payment, approved.

The following requisitions were passed :

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13588.	Receipt book.....	15 60
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13590.	Rastard files, etc.....	70 00
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13592.	Canvas duck, etc. ....	112 70
13593.	Spruce pike poles.....	48 00
13594.	Rip-rap stone..... Per cubic yard	33
13595.	Repairs to diver's helmet and collar....	12 00
13596.	Blocks, etc.....	432 00
13597.	Gravel.....	150 00
13598.	Stoves, etc.....	27 00
13599.	Cleats and washers.....	190 00
13600.	Piles.....	8,000 00
13601.	Cocoa-nut street brooms.....	48 00
13602.	Rip-rap stone.....	960 00
13603.	Stove, etc.....	10 00
13604.	Stoves, etc.....	46 00
13605.	Dredging.....	950 00
13606.	Dredging.....	950 00
13607.	Dredging .....	.....
13608.	Covering boiler, etc.....	116 85
13609.	Printing, etc. ....	145 00
Requisition No.		
612.	Hickory Wood.....	\$30 00
613.	Stationery, etc.....	.....



The Treasurer reported that he had received estimates for furnishing the Department with Portland cement and yellow pine piles as follows :

*1,000 Barrels Quick Setting Portland Cement.*

Baejer & Meyerstein .....	Per barrel	\$1 95
James Brand .....	"	2 05
Sutton & Babson .....	"	2 29

*About 100 Sound and Straight Yellow Pine Piles, 70 to 75 Feet Long.*

Alfred J. Murray .....	each	\$11 00
William Taylor .....	"	11 68
Grave & Steers .....	"	12 20
E. Mors & Co. ....	"	14 00
W. H. Beard .....	"	14 00
C. N. Kimpland .....	"	14 25

The action of the Treasurer in awarding the orders to Baejer & Meyerstein and Alfred J. Murray, they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Reports for the weeks ending September 23 and 30, 1893.

2d. Reporting the completion of Contracts Nos. 433 and 442.

3d. Recommending the relaying of the payment foot of Vestry street and in front of Pier, new 22, North river ; also the depressing of the silt basins between said streets. Recommendation adopted.

4th. Reporting damage to Pier, new 22, North river, by the ferryboat "Newburgh," September 22, 1893. The Engineer-in-Chief directed to repair and report cost for collection from the West Shore Railroad Company.

5th. Reporting repairs required to the Pier at West Twentieth street, Pier new 6, Pier 55, and bulkhead between Piers 43 and 44, East river, and bulkhead between One Hundred and Thirty-eighth and One Hundred and Fortieth streets, Harlem river. The Engineer-in-Chief directed to repair.

6th. Reporting repairs required to the pier at West Sixteenth street and bulkhead at Pier 21, East river. Lessees notified to repair.

7th. Reporting repairs required to the piers foot of East Sixth and Seventh streets. Occupants notified to repair.

8th. Recommending that the Department of Public Works be requested to repair the pavement north of the seventy-foot line in conjunction with the repairs to be made to the bulkhead at Pier new 24, North river, by the lessees. Recommendation adopted.

9th. Report on Secretary's Order No. 13190—Recommending that the claim of Christian Lauer, amounting to \$935.69, for extra work on Contract No. 447, for paving the newly made land between Dey and Barclay streets, North river, be denied. Recommendation adopted.

10th. Report on Secretary's Orders Nos. 13079, 13121 and 13166—Submitting cost of repairs to the Pier at East Fifth street for collection from Sheridan & Byrne; cost of repairs to Battery wharf for collection from the owners of the steamboat "Elberon" and cost of repairs to bulkhead between Piers, old 1, and new 1, North river, for collection from W. J. Murray, less Treasurer authorized to collect.

The Engineer-in-Chief reported that the following work had been done by the force of Department under Secretary's Orders :

No. 13177. Repairing floor of room 2, Pier "A," North river.

No. 13145. Repairing leak in the water-pipe on the bulkhead at West Tenth street.

No. 13151. Repairing pavement on the bulkhead between Seventy-fifth and Seventy-ninth streets, North river.

No. 13164. Erected bumper to protect the fence on the bulkhead at Second avenue, Harlem river.

No. 13184. Repaired the sewer and approach to bulkhead at Ninety-sixth street, North river.

No. 13185. Tested one barrel of Portland cement for William J. Donaldson & Co.

No. 13205. Repairing pier at West Thirtieth street.

The Engineer-in-chief reported the following work had been superintended under Secretary's orders :

No. 13111. Repairs to pier at East One Hundred and Seventeenth street.

No. 13119. Repairs to ferry-rack at Houston Street Ferry.

No. 13150. Removal of old concrete mixer at East Twenty-fifth street.

No. 13154. Erection of fence on the bulkhead between Piers 26 and 27, East river.

No. 13161. Repairs to bulkhead south of West Seventeenth street.

No. 13183. Placing of a portable house on the bulkhead between Piers 23 and 24, East river.

No. 13188. Repairs to Pier 23, East river.

No. 13196. Repairs to pier at East One Hundred and Seventeenth street.

No. 13199. Removal of shanty between Seventy-fourth and Seventy-fifth streets, North river.

The Engineer-in-Chief returned Secretary's Orders Nos. 13042, 13076, 13097, 13128, 13144, 13165 and 13194.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to renew and replace all worn out or decayed parts of the ten-ton derrick, for the work of construction under new plan, and put the same with the necessary engines, pumps and machinery in complete working order; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882; and that it be done by day's work by the force of the Department, and that all the materials, tools, etc., for the same not now contracted for, or

which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

The President gave notice that at the next meeting of the Board he would offer for adoption a unanimous resolution for the building of piers foot of West Fifty-fourth and East Ninety-sixth streets, by the force of the Department.

The President also gave notice that at the next meeting of the Board he would offer a unanimous resolution for the building of two new pile drivers, and a unanimous resolution for paving under the dumping-board and the approach to the new Pier foot of Canal street, North river.

The Treasurer entered a protest against awarding any Treasurer's orders for dredging to Block, Lary & Co., under resolution of the Board of July 27, 1893.

The Secretary reported that the pay-rolls for the month ending September 30, 1893, amounting to \$13,105.92, and the pay-rolls for the general repairs and construction force for the week ending September 29, 1893, amounting to \$13,683.20, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary submitted a report of the tonnage of vessels berthed on the North, East and Harlem rivers, for the month ending August 31, 1893, which was ordered to be spread in full on the minutes, as follows :

NORTH RIVER.			
		Tons.	Tons.
Foreign .....		263,637	
Domestic .....		1,520,600	
		—————	1,784,237
EAST RIVER.			
Foreign .....		33,065	
Domestic .....		558,741	
		—————	591,806
HARLEM RIVER.			
Foreign .....		1,078	
Domestic .....		17,613	
		—————	18,691
			—————

On motion, the Secretary was directed to request Alderman Owens to modify the resolution offered by him at a meeting of the Board of Aldermen, October 3, 1893, so as to stop the regulating and grading of One Hundred and Thirty-ninth street at Fifth avenue.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The communication from the Engineer-in-Chief reporting the absence of Francis J. M for three days without being excused was received, and said Mooney discharged.

On motion, the resignations of Charles X. Gilligan and James Holland, Dock Builders accepted.

The following persons were appointed :

*Laborers.*

William J. Tubbs.

Denis Kehoe.

*Dock Builders.*

Hugh Jordan.

Thomas Ohrt.

Patrick Slack.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, October 12, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 4th instant were read and approved.

The communication from Benjamin Richards offering to sell to the City the property of the New York Floating Dry Dock Company, consisting of four hundred and forty-four feet of bulkhead, between Pike and Rutgers Slips, and eight-ninths of Pier, old 42, East river, for \$450,000, was referred to Commissioners White and Phelan.

The communication from the Engineer-in-Chief, reporting the completion of Contract No. 441, and requesting instructions as to the deduction to be made for overtime in completing the shed on the Pier foot of East Third street, was referred to the Treasurer.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief, and to continue only during the pleasure of the Board :

Nathan Straus—To erect a coal-bin, eighty feet long six feet high and twelve feet wide, on the north side of the Pier foot of East Third street.

Metropolitan Telephone and Telegraph Company—To attach a submarine cable to Pier, new 15, North river.

Consumers' Brewing Company, lessee—To build a crib-bulkhead from the northerly line of East Fifty-fourth street to the centre line of the block between Fifty-fourth and Fifty-fifth streets, East river.

Lone Star Boat Club—To remove and replace boat-house at One Hundred and Fifty-third street, Harlem river.

Kipp's Bay Brewing Company—To repair the dock between Thirty-seventh and Thirty-eighth streets, East river.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Comptroller—Approving sureties on Contract No. 460.

From the Counsel to the Corporation :

1st. Requesting the lease of Pier foot of One Hundred and Thirty-eighth street, North river, to Isaac Rodgers. The Secretary directed to transmit said lease.

2d. Requesting information respecting the claim against the Forty-second Street, Manhattanville and St. Nicholas Avenue Railroad. The Secretary directed to furnish the information.

From the Department of Public Works —Inclosing an order for 4,000 paving blocks to be on the west side of Thirteenth avenue, between Twenty-fourth and Twenty-fifth streets.

New York, Lake Erie and Western Railroad Company—Requesting the driving of t additional rows of piles at Pier, new 19, North river, at their expense. The Engineer-in-C directed to do the work and report the cost for collection.

From Dock Master Stack —Reporting that Peter Woolley pays rent to the Department of Parks for the occupation of the premises foot of East Eighty-seventh street.

The following applications were denied :

Al Foster Steamboat Company—To occupy a berth on the south side of the Pier foot of V Forty-fourth street during the ensuing winter.

Consumers' Ice Company—To occupy the bulkhead between Piers, new 39 and 40, or betw Piers, new 42 and 43, North river.

Emanuel Reutlinger—For a lease of the north side of the Pier foot of West Nineteenth street  
Matthew Stripp—For a lease of the portion of the bulkhead between Dey and Fulton street North river.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week en October 11, 1893, amounting to \$34,105.85, which was received and ordered to be spread in on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D E B IT
1893. Oct. 4	Simpson, Spence & Young....	1 qrs. rent, Pier, new 56, N. R.....	\$7,500 00		re
" 4	L. Edward Muller.....	1 mos. rent. bhd, S. Pier, new 39, N. R.....	125 00		
" 5	Brooklyn & N. Y. Ferry Co..	1 qrs. rent, l. u. w., ferry bet. 22d and 23d sts., E. R.....	1,729 37		
" 5	N. Y. & Northern Ry Co....	1 mos. rent, Pier 40, E. R.....	1,041 65		
" 5	Central R. R. of N. J.....	" S. ½ Pier 14, and bhd. adjoining, N. R.....	1,437 50		
" 5	Sanderson & Son Assn.....	1 qrs. rent, Pier, new 54, N. R.....	6,250 00		
" 5	N. Y. & Cuba Mail S. S. Co...	1 mos. rent, l. u. w., for pfm. bet. Piers 16 and 17, E. R.....	147 86		
" 5	James Shewan.....	" Dry Dock S. of Stanton st., E. R.....	203 33		
" 6	Joseph Cornell.....	1 qrs. rent, S. side of Pier, W. 11th st., and bhd.....	475 00		
" 6	" .....	" Pier foot of Jane st., N. R.	869 80		
" 9	Standard Gas-light Co.....	" bhd. S. of 115th st., H. R..	150 00		
" 9	Thomas Smith.....	Filling in S. of 55th st., N. R.....	1,000 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOS- ITED.
Thomas Ward.....	1 mos. rent, bhd. S. of 8oth st., N. R...	\$83 37		1893.
Long Island R. R. Co.....	Repairs to Pier 32, E. R.....	135 72		
West Shore R. R. Co.....	1 qrs. rent, Pier, new 23. and 1/2 bhd. each side, N. R.....	10,500 00		
George A. Woods.....	Wharfage, District No. 2, N. R.....	256 60		
Edward Abeel.....	" 4, " .....	402 06		
B. F. Kenney.....	" 6, " .....	120 74		
William B. Osborne.....	" 8, " .....	44 50		
James J. Fleming.....	" 10, " .....	158 00		
Thomas P. Walsh.....	" 12, " .....	40 97		
Henry A. Palmstine. ....	" 1, E. R .....	105 54		
Charles S. Coye.....	" 3, " ....	809 86		
James A. Monaghan.....	" 5, " .....	180 77		
Joseph F. Meehan.....	" 7, " .....	91 08		
Maurice Stack.....	" 9, " .....	173 98		
James W. Carson.....	" 11, " .....	25 82		
John J. Martin.....	" 13, " .....	42 32		
			\$34,105 85	(Oct. 11
		\$34,105 85	\$34,105 85	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

Auditing Committee presented an audit of ten bills or claims, amounting to 57, which were approved and audited and ordered to be spread in full on the minutes, as :

Construction Account.

Name.	Amount.
John W. Flaherty, Estimate No. 1, Contract No. 454.....	\$6,436 33
F. Veritan Smith, Estimate No. 1, Contract No. 452.....	9,883 50
B. S. Cronin, Estimate No. 3 and final, Contract No. 442.....	1,725 10
Bouker Contracting Company, cobble stone.....	2,756 79
Bell Bros., spruce.....	5,052 14
Greenlie, Wyatt & Co., iron work, bolts, etc.....	3,906 15
Alexander Pollock, rope, brushes, etc.....	522 20
William G. Smith, paving.....	414 20

Audit No.	Name.	Amount.
13634.	Peter Timme's Sons, spike.....	\$517 00
13635.	William Gaskill & Son, bolts and spike.....	268 16
		<u>\$31,48</u>

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President, in transmitting the same with requisitions for the amount to Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated
13610.	Egg coal.....	\$14
13611.	Egg coal.....	85
13612.	Broken stone.....	2,60
13613.	Sand.....	97
13614.	Portland cement.....	2,00
13615.	White pine, etc.....	14
13616.	Spruce..... per M	2
13617.	Repairs to boiler on tug.....	80
13618.	Cuff rings, etc.....	10
13619.	Brushes, etc.....	7
13620.	Sperm oil.....	9
13621.	Window glass.....	3
13622.	Paints, brushes, etc.....	2
13623.	Services of horse, cart and driver.....	21
13624.	Dock spike and screw bolts.....	1
13625.	Stove, etc.....	1
13626.	Pails, hose, etc.....	9
13627.	Oak piles..... each	
13628.	Oils.....	
13629.	Flags.....	
13630.	White pine, etc.....	1
13631.	White pine, etc.....	
13632.	Machinery.....	
13633.	Iron work.....	3
13634.	Wrought-iron galvanized pipe.....	
13635.	Desks, chairs and stools.....	1



The Treasurer reported that he had received estimates for furnishing the Department with ~~the~~ coal, broken stone, sand, Portland cement, yellow pine piles and dredging, as follows :

*About 200 Gross Tons Anthracite Egg Coal.*

David Duncan & Son .....	\$4 04 per ton.
Heaken & Co.....	<u>5 35</u> "

*About 2,000 Cubic Yards of Broken Stone.*

Bouker Contracting Company.....	\$1 17½ per cubic yard.
Brown & Fleming .....	1 18 "
Hudson River Stone Supply Company.....	1 20 "
H. P. Sheridan.....	<u>1 30</u> "

*About 1,500 Cubic Yards of Sand.*

James McLaughlin.....	\$0 66 per cubic yard.
Brown & Fleming .....	68 "
Murray & Co. ....	71 "
Bouker Contracting Company.....	<u>80</u> "

*About 1,000 Barrels of Portland Cement.*

Baetjer & Meyerstine.....	\$1 97 per barrel.
James Brand.....	1 98 "
Seclair & Babson.....	<u>2 34</u> "

*About 800 Sound and Straight Yellow Pine Piles, 60 to 65 Feet Long.*

H. M. Loud.....	\$8 95 each.
William Taylor.....	9 85 "
Alfred J. Murray.....	10 25 "
Graves & Steers.....	10 24 "
W. H. Beard.....	11 00 "
E. Mors & Co.....	11 00 "
C. N. Kimpland.....	<u>11 25</u> "

*About 4,000 Cubic Yards Dredging.*

Morris & Cumings Dredging Company.....	\$0 19¾ per cubic yard.
Atlantic Dredging Company.....	20 "
P. Sanford Ross.....	20 "
Charles Du Bois.....	<u>21</u> "

The action of the Treasurer in awarding the orders to David Duncan & Sons, Bouker Contracting Company, James McLaughlin, Baetjer & Meyerstine, H. M. Loud and Morris & Cumings Dredging Company, they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Recommending that the Counsel to the Corporation be requested to demand the return of certain articles taken from the tug "Pier," and now in the custody of the Sheriff of Kings County. Recommendation adopted.

2d. Reporting the completion of the extensions to Piers, new 36 and 38, North river.

3d. Reporting the non-removal of the shed on the Pier foot of West Thirteenth street. Requesting the Fort Lee Park and Steamboat Company that if said shed is not removed within one week it will be removed by the force of the Department.

4th. Reporting repairs required to the Charity Hospital dock, Blackwell's Island, to the bulkhead at East One Hundred and Tenth street, to the pavement on the bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third streets, North river, and in rear of the head-wall at One Hundred and Twenty-fifth Street Section. The Engineer-in-Chief directs the repair.

Report on Secretary's Order No. 13222—Submitting a map showing the exterior street frontage on the westerly bank of the Harlem river, from One Hundred and Seventy-fourth to One Hundred and Eighty-second streets, United States Channel Lines and the grant made by the City to Richard Carman in 1865. Transmit said map to the Counsel to the Corporation.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12913. Removed gas-lamps from the pedestals at the boat landing at Pier "A" and replaced same with granite caps.

No. 13174. Repaired the pavement on the bulkhead between Piers, new 6 and old 6, North river.

No. 13195. Restored piers and bulkheads occupied by free swimming-baths to their former condition.

No. 13198. Cut gangways through the backing-log in the extension to Pier, new 38, North river.

The Engineer-in-Chief reported that the following work had been superintended by the force of the Department under Secretary's Orders :

No. 9741. Erection of a retaining structure between Thirty-seventh and Thirty-eighth streets, North river.

No. 13153. Running of a pipe through the bulkhead wall at West Thirty-third street.

No. 13179. Removal of weighing-offices from the Pier foot of West Fifteenth street.

No. 13186. Removal of hoisting-engine from the bulkhead between Piers, new 14 and 16, North river.

No. 13189. Repaired the Pier at East Seventh street.

No. 13208. Repairs to Pier, new 59, North river.

No. 13209. Repairs to the Pier foot of Jane street, North river.

No. 13214. Rebuilding of the north ferry-rack at Thirteenth street, North river.

No. 13215. Erection of a shed on Pier, new 24, North river.

No. 13217. Replacing of gas service-pipe foot of West Twenty-fourth street.

No. 13221. Repairs to water-main at Desbrosses Street Ferry.

The Secretary reported the pay-rolls for the General Repairs and Construction Force for the week ending October 6, 1893, amounting to \$13,947.36, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Engineer-in-Chief was directed to erect a new office on the Pier foot of West Twenty-fourth street, for the use of the Dock Master.

The following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land at or near the foot of Canal street, on the North river, from the southerly line of the pavement already laid by the Department on the new-made land at that place southerly and as far as the new-made land is completed, with granite or Staten Island syenite blocks, and to lay the necessary sidewalks, drains and appurtenances to such pavement ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and implements necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

On motion, the following resolution was adopted :

Resolved, That the pay of Divers in the service of this Department be and hereby is fixed at the rate of five dollars per day of four hours or less, and one dollar per hour for all overtime, to take effect on and after October 14, 1893.

Resolved, That the following-named persons, now Assistant Divers in the Department, be and hereby appointed Divers, to take effect on and after October 14, 1893 :

John Bundick.

E. T. Christiansen.

Peter Gilligan.

Edward Hickman.

Frank Newman.

John O'Brien.

Frank Paul.

Robert S. Russell.

Lewis Timmans.

Bernard Troy.

David Tulloch.

J. Wanneberg.

John Wright.

On motion, the compensation of G. A. Lyman, James McElroy, Max. Hahn and James Gibbon Laborers, was fixed at the rate of \$15 per week.

On motion, William E. Conway, Laborer, was discharged.

The following persons were appointed :

*Laborers.*

Daniel Lynch  
John McDermott.  
Rohdy Rinn.

Bernard Rafferty.  
William Dwyer.  
Peter J. Monaghan.

Robert Heaton.  
Joseph Mackey.

*Dock Builders.*

Martin Manning.

Thomas Dunn.

Patrick Murray.

*Foreman Dock Builder.*

Hugh Daly.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. "A," Battery place, Thursday, October 19, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 12th instant were read and approved.

Henry R. Beekman, attorney, appeared, and requested the Board to take action respecting the purchase of the premises between Ninety-sixth and Ninety-seventh streets, North river.

On motion, the Counsel to the Corporation was requested to advise the Board whether it has the power to purchase water-front property where no new plan has been adopted by the Department.

On motion, the matter of the purchase of a steam derrick, for use on Pier, old 42, North river, was tabled for one week.

The communication from the Engineer-in-Chief respecting the improvement of the water-front between Eighth and Seventeenth streets, East river, was tabled for two weeks.

The following communications were referred to the Engineer-in-Chief to examine and report :

From James P. Carson—Requesting an extension of forty days to complete the work of dredging at Piers, new 40 and 59, North river, under Contract No. 460.

From Michael Mitchell, lessee—Requesting dredging at the Pier foot of West Thirty-fifth street.

The following permit was granted, the work to be done under the supervision of the Engineer-in-Chief, and to be kept within existing lines :

New York, New Haven and Hartford Railroad Company—To cut gangways and drive fender piles at Pier 49, East river.

From the Finance Department—Inclosing copy of a communication from the Counsel to the Corporation approving the title to the pier and wharf property purchased from the West Shore and Manhattan Terminal Company, September 17, 1891, and requesting a requisition for the amount. The Chief Clerk directed to prepare the necessary requisition.

From the Department of Street Cleaning—Requesting dredging at the dump foot of West Twelfth street.

From the Department of Public Works—Stating that repairs will be made to the pavement north of the seventy foot line at Pier, old 24, East river.

From the Fort Lee Park and Steamboat Company—Reporting the removal of the shed from the Pier at West Thirteenth street.

From Matthew J. Stripp, Jr.—Requesting a lease of the bulkhead between Piers, new 21 and 22, North river. Application denied.

From the New York Central and Hudson River Railroad Company—Requesting that the taxes and Croton water rents on the property foot of Harrison street, North river, be remitted from the date this Department entered into possession of said property. Notify the Comptroller that the Department entered into possession October 10, 1891.

From Gilbert M. Speir, Jr., attorney—Declining, on behalf of his client, Casimir de R. Moore, the offer of September 25, 1893, to purchase his riparian and wharfage rights in the premises between Twenty-second and Twenty-third streets, North river.

On motion, the following preambles and resolution were adopted :

Whereas, This Department, on the 25th day of September, 1893, adopted preambles and resolutions offering to purchase in the name and for the benefit of the corporation of the City of New York, all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue ; and

Whereas, Said offer was, on the 27th day of September, 1893, served upon Gilbert M. Speir, Jr., attorney for Casimir de R. Moore, who is the agent and representative of William T. Moore and the heirs of Mary C. Ogden, owners in fee simple of said property ; and

Whereas, Said offer has not been accepted, although more than ten days have elapsed since the expiration of the time to do so ; and

Whereas, It is deemed that no price can be agreed upon between the owners of said property and this Department for the purchase thereof ;

Therefore, be it Resolved, That the Counsel to the Corporation of the City of New York be and is hereby requested to institute legal proceedings for the immediate acquisition of said property rights, terms, easements and privileges for the Mayor, Aldermen and Commonalty of the City of New York as required by law in such cases made and provided.

From Dock Master Martin :

1st. Reporting the sinking of a canal boat, at the Pier foot of West One Hundred and Fifty-eighth street on the 19th instant. Owners and consignees notified to remove.

2d. Reporting that repairs are required to the Pier at One Hundred and Fifty-second street, North river, and that the Bulkhead foot of West Ninety-sixth street requires cleaning. The Engineer-in-Chief directed to do the work.

From Dock Master Abeel—Reporting repairs required to the pavement on the bulkhead at Pier, new 34, North river. The Engineer-in-Chief directed to repair.

The Treasurer, to whom was referred, September 25, 1893, the communication from the Engineer-in-Chief, respecting the reduction for overtime to be charged Sheridan & Byrne for the non-completion of Contract No. 437 within the time specified in said contract, submitted a report, recommending that the time be extended until September 14, 1893, and that no further contracts of a similar nature with this Department be awarded said contractors.

On motion, the report was approved, and the following resolution adopted :

Resolved, That the time for the completion of the work of building an iron awning shed on the Pier 100: of West Thirty-fourth street, Sheridan and Byrne contractors, be and hereby is extended to September 14, 1893.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending October 18, 1893, amounting to \$22,101.64, which was received and ordered to be spread in full on the minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893. Oct. 12	Wm. M. Montgomery .....	1 qrs. rent, Pier at 119th st., H. R....	\$200 00		1893.
" 12	Pacific Mail S. S. Co. ....	" Pier, new 34 and bhd. N. R.....	15,105 74		
" 12	Owens & Co.....	" bhd. pfm. at 47th st., E. R.	137 50		
" 16	John L. Eccles.....	" Pier, old 59, N. R.....	350 00		
" 16	N. Y., N. H. & H. R. R. Co .	" l. u. w. pfm., S. Pier 50, E. R.....	1,000 00		
" 16	" .....	" l. u. w. pfm., bet. Piers, old 45 and new 36, E. R.	400 69		
" 16	" .....	" Widening, etc., Pier, old 45, E. R.....	178 50		
" 16	" .....	" E. ½ Pier 51 and W. ½ Pier 52 and bhd, etc., E. R.....	2,000 56		
" 16	" .....	" l. u. w. widening Pier 40 E. R.....	39 81		
" 16	" .....	" l. u. w. p. f. m., bet. Piers 50 and 51, E. R.....	375 00		
" 17	George A. Woods.....	Wharfage, District No. 2, N. R.....	501 89		
" 17	Edward Abeel .....	" 4, " .....	233 29		
" 17	B. F. Kenney.....	" 6, " .....	210 29		
" 17	William B. Osborne.....	" 8, " .....	49 50		
" 17	James J. Fleming .....	" 10, " .....	116 01		
" 17	Thomas P. Walsh .....	" 12, " .....	32 00		
" 17	Henry A. Palmstine .....	" 1, E. R.....	110 10		
" 17	Charles S. Coye.....	" 3, " .....	241 76		
" 17	James A. Monaghan.....	" 5, " .....	192 58		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
1893.				
Oct. 17	Joseph F. Meehan.....	Wharfage, District No. 7, E. R.....	\$96 20	
" 17	Maurice Stack.....	" 9. " .....	217 35	
" 17	James W. Carson.....	" 11. " .....	214 69	
" 17	John J. Martin.....	" 13. " .....	94 74	
" 17	Edward Abeel.....	Storage of trucks.....	4 00	
				\$22,101 64
			\$22,101 64	\$22,101 64

Respectfully submitted,

JAMES J. PHELAN, Treasure

The Auditing Committee presented an audit of twenty-five bills or claims, amount \$9,282.03, which were approved and audited and ordered to be spread in full on the minutes follows :

Audit No.	Name.	Construction Account.	Amount.
13636.	Car fares.....		\$228 23
13637.	Incidentals, etc.....		105 83
			\$

Annual Expense Account.
13638. Incidentals, etc.....

<i>Construction Account.</i>	
13639. H. P. Sheridan, broken stone.....	\$1,462 50
13640. Alexander Pollock, boring machine, etc.....	352 47
13641. E. Waller, Ph.D., testing samples.....	40 00
13642. East River Mill and Lumber Company, spruce.....	754 74
13643. Greenlie, Wyatt & Co., wrought iron, etc.....	810 78
13644. Baetjer & Meyerstein, cement.....	1,904 23
13645. Jersey City Chain Works, hooks.....	188 80
13646. John F. Walsh, Jr., pike poles.....	48 00
13647. Thomas C. Dunham, paint, etc.....	25 25
13648. Abraham Steers, pine.....	251 16
13649. The Metropolitan Telephone and Telegraph Company, telephone service.....	480 85
13650. Consolidated Gas Company, gas.....	38 87
13651. Hodgman Rubber Company, boots, etc.....	720 24
13652. David Duncan Sons, coal.....	799 92



Index No	Name.	Amount.
13633	James Barron & Co., rope, etc .....	\$450 93
13634	Carroll Box and Lumber Company, pine.....	42 12
13635	Woodruff, Conkling & Baye., sash.....	17 80
13636	Henry B. Newhall Company, bolts, etc.....	70 77
13637	J. Henry Haggerty, oil.....	121 44
13638	The Raymond Life Boat Company, yawl.....	76 00
		<hr/> \$8,656 87

*General Repairs Account.*

13639	Thomas Kelly, services, horse, cart, etc.....	210 00
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*Annual Expense Account.*

13660	E. Fincken's Son & Co., wood.....	28 00
		<hr/> \$9,282 03

Respectfully submitted,

ANDREW J. WHITE, { Auditing  
JAMES J. PHELAN, { Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13636.	Portland cement ..... per bbl.	\$2 00
13637.	Granite.....	205 00
13638.	Service of tugs..... per hour	5 00
13639.	Dredging.....	800 00
13640.	Kerosene oil.....	27 50
13641.	Stationery and printing.....	280 42
13642.	Stationery and printing.....	86 61
13643.	Rip-rap stone.....	1,050 00
13644.	Dredging.....	900 00
13645.	Dredging.....	500 00
13646.	Dredging.....	750 00
13647.	Kerosene oil.....	14 00
13648.	Broken stone..... per cubic yard	1 25
13649.	Coal..... per ton	5 00
13650.	Naphtha.....	44 50
13651.	White oak fenders.....	60 00
13652.	Dredging.....	1,000 00
13653.	Dredging.....	600 00
13654.	Dredging.....	200 00

Register No.	For What.	Estimated.
13655.	Dredging.....	\$45
13656.	Egg coal.....	20
13657.	Repairs to pile-driver drum.....	3
13658.	Coal tar.....	21
13659.	Yellow pine timber .....per M	2
13660.	Manila rope, etc.....	83
13661.	Repairs, etc., to level.....	3

The Treasurer reported that he had received estimates for furnishing the Department white oak piles, Portland cement, rip-rap and broken stone.

60 Sound and Straight White Oak Piles, 45 Feet to 50 Feet Long.

Alfred J. Murray.....	\$54
William Taylor.....	57
Graves & Steers.....	58

1,000 Barrels Quick-setting Portland Cement.

Bactjer & Mayerstein.....	\$1 97 per barrel
James Brand.....	2 25 "
Sinclair & Babson.....	2 30 "

About 3,000 Cubic Yards of Rip-rap Stone.

H. P. Sheridan.....	\$0 29 per cubic
Brown & Fleming.....	32 "
Bouker Contracting Company.....	38 "

About 1,000 Cubic Yards of Broken Stone.

Brown & Fleming.....	\$1 20 per cubic
Hudson River Stone Supply Company.....	1 27 "
H. P. Sheridan.....	1 32 "
Bouker Contracting Company.....	1 32½ "

The action of the Treasurer in awarding the orders to Alfred J. Murray, Baetjer & Meyer, H. P. Sheridan and Brown & Fleming, they being the lowest bidders, approved.

From the Engineer-in-Chief:

1st. Reports for the weeks ending October 7 and 14, 1893.

2d. Reporting repairs required to the barrel sewer at Pier, new 36, North river, to the head foot of East Seventeenth street, to the upper dock at Randall's Island, and to the house dock at Blackwell's Island. The Engineer-in-Chief directed to repair.

3d. Report on Secretary's Order No. 13245, submitting information respecting the suit of L vs. the Mayor, etc., brought to recover damages for the destruction of wharfage rights appurt

to the 55 feet 6 inches of bulkhead on West Street, next southerly of Spring street. Transmit copy to the Counsel to the Corporation.

The President gave notice that at the next meeting of the Board, to be held Thursday, October 26, 1893, he would move to amend Article 10 of the by-laws, so as to read as follows :

"The Board shall at its discretion, divide the City into not exceeding 14 Dock Districts, as may be required, and shall name a Dock Master for each of such districts, who shall perform the duties hereafter prescribed, in and for the Districts to which they shall be respectively assigned."

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the week ending October 13, 1893, amounting to \$13,618.61, had been approved and audited and transmitted to the Finance Department for payment.

On motion the Engineer-in-Chief was directed to examine and report as to the dredging required at the bulkhead foot of West Seventy-ninth street.

On motion the matter of the purchase of the bulkhead between Perry and West Eleventh streets and the block of ground bounded by West street, Thirteenth avenue, West Eleventh and Bank streets, together with the wharfage rights in front thereof, was referred to Commissioners Phelan and White with power.

On motion a berth was assigned at Pier, new 6, East river, for the fireboat "New Yorker."

On motion the following resolutions were unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a new pier at the foot of West Fifty-fourth street, within the established lines for the same ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and dredging necessary therefor, and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a new pier at the foot of East Ninety-sixth street, East river, within the established lines for the same ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and dredging necessary therefor, and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

From R. Bunke—Complaining of an assault committed by certain Dock Builders at East Hundred and Tenth street.

On motion, Louis Fabur, Dock Builder, was discharged.

From the Engineer-in-Chief—Recommending the discharge of Henry Grimm, Laborer Dominick Ross, Dock Builder.

On motion, said Grimm and Ross were discharged.

The following persons were discharged :

*Laborers.*

William E. Conway.

James Keene, No. 2.

*Dock Builders.*

Dennis Kennedy.

John Allen.

The following persons were appointed :

*Laborers.*

John Conway.

Joseph Thierer.

Edward Hogan.

John Smith.

Frederick Reynolds.

Charles O'Connor.

Edward Robinson.

John Allen.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

...for the purpose of opening estimates for the removal of Pier, old 29, North river and other structures thereon under Contract No. 461, a representative of the Company being present. The form of said contract not having been approved by the Counsel to the Board, the opening of the bids was postponed until October 28, 1893, at 12 o'clock M.

Minutes of the meeting held October 19, 1893, were read and approved.

Mr. M. Speir, Jr., attorney for Casimir de R. Moore, the agent and representative of J. T. Moore and the heirs of Mary C. Ogden, appeared and declined the offer of the 19th Board to purchase the premises between Twenty-second and Twenty-third streets, North river.

Consequently, the matter was tabled for one week.

Following permits were granted to continue only during the pleasure of the Board; the same to be done under the supervision of the Engineer-in-Chief:

1. Electric Light and Power Company—To place converters and cable connections at the foot of East Twenty-eighth street, for the purpose of serving the training ship "New York."

2. Dece and Stomington Steamship Company—To cut gangways and change the position of the same on Pier, new 36, North river.

3. New York, Lake Erie and Western R. R. Company—To place a drain box between Twenty-second and Twenty-third streets, North river, thirteen feet long and ten inches square.

4. Metropolitan Telephone and Telegraph Company To run an underground cable under the sidewalk of East Thirty-eighth street and place a box at the end of the street-cleaning dump to connect the cable.

5. New York Central and Hudson River R. R. Company—To repair the bulkhead platform in

The following permit was granted, to continue only during the pleasure of the Board; compensation to be fixed by the Treasurer

East River Gas Company To store temporarily a quantity of iron gas pipe on the Pier foot of West Fiftieth street

The report on Secretary's Order No. 13277, respecting the dredging required at the Pier foot of West Thirty-fifth street, was tabled for one week

The communication from Kane & Wright, requesting a reduction of rent for the portion of pier occupied by them at East Forty-sixth street Referred to the Treasurer.

The communication from Wensley & Gilroy, attorneys for the New York, New Haven & Hartford Railroad Company, requesting permission to use the bulkhead foot of East One Hundred and Twenty-fifth street. Referred to Commissioners Phelan and White.

The communication from Dock Master Woods, recommending that a space between Frank and Duane streets be set aside for the sale of Christmas trees. Referred to the Treasurer.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Fire Department Declining to accept a berth for the fire-boat "New Yorker," Pier, new 6, East river. Referred to Commissioner White.

From Charles Hill & Sons, Bristol City Line of Steamers—Applying for a lease of two of proposed new piers to be built in the vicinity of West Eleventh street.

From the Jackson Architectural Works and others—Complaining of inadequate wharfage facilities at the Pier foot of East Twenty-eighth street, also the obstruction of said pier by sand.

On motion, Joseph F. Meehan, Dock Master, was notified to appear before the Board Thursday, November 2, 1893, and show cause why he should not be discharged for allowing sand to remain on the Pier foot of East Twenty-eighth street in violation of the Rules and Regulations of the Department.

On motion, the permit granted May 25, 1893, to the Knickerbocker Ice Company to erect an ice platform on the Pier foot of East Twenty-eighth street, was revoked.

On motion, the school-ship "St. Marys" was notified to vacate berth at the Pier foot of East Twenty-eighth street, and a permit granted to occupy a berth at One Hundred and Fortieth street, Harlem river

On motion, the trawing-ship "New Hampshire" was requested to vacate its berth at the Pier foot of East Twenty-eighth street and select a berth in some other portion of the city.

From the Providence and Stonington Steamship Company—Requesting that the time for vacation at 29, North river, be extended

On motion, the time was extended until November 8, 1893.

From James Gran' -Reporting the dumping of ashes overboard from the steamer "Richard" at foot of East Fifth street.

On motion, the New Haven Steamboat Company was notified to appear before the Board, Thursday, November 2, 1893, at 11 A. M., and show cause why a penalty should not be imposed for violation of Rule 12 of the Rules and Regulations of this Department.

From the Atlantic Dredging Company—Requesting an extension of time to complete Contract

On motion, the following resolution was adopted :

Resolved, That the time for the completion of dredging in the slip between Piers, old 4 and 5, and between Piers, old 53 and 54, on the East river, under Contract No 458, Atlantic Dredging Company, contractors, be and hereby is extended to October 28, 1893.

From James Symington—Requesting permission to assign all moneys due on Contract No. 457 to the Rockport Granite Company

On motion, the following resolution was adopted :

Resolved, That license and consent be and hereby is granted to James Symington to assign to the Rockport Granite Company all moneys which may be due or become due under Contract No. 457 for furnishing granite stones for bulkhead or river wall, provided that the said James Symington and the sureties to said contract shall execute and file an agreement in writing with the Board that their obligations under the provisions thereof shall not in any manner be affected or impaired by reason of such license and consent to the said assignment

From Dock Master Monaghan -Reporting repairs required to Pier 48, East river. The Engineer-in-Chief directed to repair.

From Dock Master Woods -Reporting repairs required to the Battery Wharf and Pier, new North river. The Engineer-in-Chief directed to repair

From the Treasurer

Reported that he had transmitted a claim for wharfage against the steamer "Waterbury" to the Counsel to the Corporation for collection. Report approved

Resolved, Respecting the reduction to be made for overtime for the non completion of Contract No.

On motion, the following resolution was adopted

Resolved, That the time for the completion of the work of building an iron awning shed on the foot of East Third street, under Contract No. 441, Sheridan & Byrne, contractors, be and hereby is extended until September 30, 1893



From Commissioners Phelan and White—Recommending that an offer of \$275,000 be made to Benjamin Richards for the 443 feet 6 inches of bulkhead on the East river, between the Rutgers Slips, including eight-ninths of Pier, old 42, East river.

Whereupon, on motion, the following preamble and resolutions were adopted :

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Depo  
Docks of the City of New York is authorized to acquire by purchase in the name and t  
benefit of the Corporation of the City of New York wharf property in said city, and all  
terms, easements and privileges pertaining thereto, subject to the approval of the Commis  
the Sinking Fund, and agree with such owners upon a price for the same, and in case of fi  
agree upon a price to initiate legal proceedings to acquire the same for the improvement  
water-front of said city, and

Whereas, The Board is desirous of acquiring, in the name and for the benefit of the Corp of the City of New York, the bulkhead and water rights between Pike and Rutgers beginning at a point fifty-two feet eleven inches north of Pike street, and running thence north hundred and forty-three feet six inches to Rutgers street, together with a four hundred and four hundred and ninety-sixth interest in Pier, old 42, East river, and

Whereas, It appears that the New York Floating Dry Dock Company are the owners and lessees in simple of the premises above named :

Resolved, That this Board offers to purchase said bulkhead and water rights, together with said interest in said Pier, old 42, and pay for a good and sufficient title therefor, free from all encumbrances, the sum of two hundred and seventy-five thousand dollars, subject to the approval of the Commissioners of the Sinking Fund.

Resolved, That a copy of these preambles and resolutions be served upon said New York Dry Dock Company and a copy upon Benjamin Richards, the agent and representative company, and they be and hereby are requested within ten days from receipt hereof, to ~~not~~ Board in writing whether they will sell the said bulkhead and water-rights and interests as ~~ad~~ to the Mayor, Aldermen and Commonalty of the City of New York for the price above ~~men~~ and in the event that they shall fail to notify this Board of their willingness to so ~~con~~ respective bulkhead and water-rights and interests as aforesaid it shall be deemed that no ~~pr~~ be agreed upon for the said rights and interests between the owners thereof and this Depart

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week October 25, 1893, amounting to \$1,610 28, which was received and ordered to be spread on the minutes, as follows :

DATE.	FROM WHOM	FOR WHAT.	AMOUNT.	TOTAL.
1893				
Oct 24	George A. Woods .....	Wharfage, District No. 2, N. R. ....	\$115 30	
" 24	Edward Abeel.....	" 4, " ....	425 54	
" 24	B. F. Kenney.....	" 6, " ....	93 06	



DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Oct. 24	William B. Osborne.....	Wharfage, District No. 8, N.R.....	\$49 80		
" 24	James J. Fleming.....	" 10, " .....	113 09		
" 24	Thomas P. Walsh.....	" 12, " .....	31 20		
" 24	Henry A. Palmstine. ....	" 1, E. R .....	175 50		
" 24	Charles S. Coye.....	" 3, " .....	204 87		
" 24	James A. Monaghan.....	" 5, " .....	123 93		
" 24	Joseph F. Meehan.....	" 7, " .....	111 11		
" 24	James W. Carson.....	" 11, " .....	51 67		
" 24	John J. Martin.....	" 13, " .....	115 21		
			<u>\$1,610 28</u>	\$1,610 28	Oct. 25
			\$1,610 28	\$1,610 28	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty bills or claims, amounting to \$390,639.29, which were approved and audited and ordered to be spread in full on the minutes, as follows :

*Acquired Property.*

Bill No.	Name.	Amount.
13661.	The West Shore and Ontario Terminal Company, for purchase of north half of Pier, old 33, and south half of Pier, old 34, North river, and bulkhead between said piers, \$350,000, and interest on the purchase price of said property for the time the City has been in possession of same, \$15,000.....	\$365,000 00
		<u>————— \$365,000 00</u>

*Construction Account.*

13662.	Morris & Cumings Dredging Company, dredging.....	\$8,106 00
13663.	Peter Timme's Son, bolts, spike, etc.....	1,194 64
13664.	Bell Brothers, spruce.....	4,058 38
13665.	John I. Goodrich, white oak.....	2,450 78
13666.	William Taylor, piles. ....	5,668 75
13667.	Alexander Pollock, bolts, spike, etc.....	2,095 13
13668.	J. Henry Haggerty, oil.....	39 77
13669.	Heipershausen Brothers, towing.....	282 08
13670.	Thornton M. Motley & Co., iron, steel, etc. ....	142 94
13671.	The Fairbanks Company, repairs to scales.....	22 00
13672.	Annin & Co., flags.....	27 50

Audit No.	Name.	Amount.
13673.	Robert Smack & Co., grates.....	\$161 62
13674.	F. W. Devoe & C. T. Raynolds Company, repairs to level.....	16 50
13675.	Lidgerwood Manufacturing Company, repairs to piston.....	10 00
13676.	M. M. Corwin, stoves, etc.....	73 45
13677.	James J. Carey, stoves, etc.....	21 75
13678.	Carroll Box and Lumber Company, pine, etc.,.....	227 06
		<u>\$24,598</u>

General Repairs Account.

13679.	Morris & Cumings Dredging Company, dredging.....	\$935 94
13680.	Dennis J. Trolan, services horse, cart, etc.....	105 00
		<u>1,040</u>
		<u>\$390,639</u>

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President, in transmitting the same with requisitions for the amount to Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13662.	Wrought-iron axles, etc.....	\$53 00
13663.	Dredging.....	4,000 00
13664.	Copper, etc.....	132 00
13665.	White pine lumber.....	116 00
13666.	Spike, washers, etc.....	85 00
13667.	Rip-rap stone .....	32 per cubic yard
13668.	Rip-rap stone ....	32 "
13669.	Pile shoes.....	2 per pound.
13670.	Services of sprinkling-carts.....	196 00
13671.	Paving.....	10,000 00
13672.	Repairs to derrick.....	45 00
13673.	Piles.....	2,917 50
13674.	Cast-iron surface plate.....	28 00

The Treasurer reported that he had received estimates for dredging.

Services of Dredge, etc., to Excavate and Remove About 20,000 Cubic Yards of Mud.

Morris & Cumings Dredging Company.....	\$0 10¼ per cubic ya
Charles Du Bois.....	10½ "
W. H. Beard Dredging Company.....	14¼ "
Samford Ross.....	18 "

The action of the Treasurer in awarding the order to the Morris & Cumings Dredging Company, being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Report for the week ending October 21, 1893.

2d. Recommending that the lessee be directed to repair the Pier foot of West Forty-sixth street. Recommendation adopted.

3d. Recommending that the outer end of the Pier foot of West Thirteenth street be removed and made to conform with the pier head line established by the Secretary of War. The Engineer was directed to remove.

4th. Reporting the non-commencement of dredging by Babcock, Lary & Co., foot of East Twenty-first street, under Treasurer's orders. The action of Commissioner White in relation thereto approved.

5th. Report on Secretary's Order No. 13177, as to the complaint respecting the material dumped between Eightieth and Eighty-third streets, East river. The Engineer-in-Chief directed to erect a fence and to place necessary signs and put a watchman to prevent filling-in thereat.

6th. Report on Secretary's Order No. 13263, recommending that no extension of time be granted to P. Carson on Contract No. 460 until he shows a disposition to execute the work of dredging expeditiously. Approved.

On motion, the time for the enforcement of the order of June 22, directing the removal of the structures of the Hudson Tunnel Railway Company, from the bulkhead south of Pier, old 42, North river, was extended to November 22, 1893.

On motion, the permit granted C. H. Mallory & Co. to occupy the bulkhead between Piers 20 and 21 East river, was changed to the New York and Texas Steamship Company.

On motion, the purchase of a steam-derrick was ordered, for use on Pier, old 42, North river.

On motion, the preamble and resolution adopted June 22, 1893, were amended so as to read as follows :

Whereas, A communication, dated June 22, 1893, was received by this Board from R. L. Water agent of the Ocean Steamship Company, of Savannah, requesting that the existing lease of Pier new 35, North river, be canceled, and a new lease granted, containing the terms and conditions as at present embodied in the leases now used by this Department ;

Resolved, That the lease granted to the Ocean Steamship Company of Savannah, dated June 22, 1893, be and hereby is canceled.

Resolved, That, by virtue of the power and authority vested in this Board, and in pursuance of the statutes in such cases made and provided, this Department hereby agrees to lease, assign and transfer to the Ocean Steamship Company of Savannah, the wharfage which may arise, accrue or become due in the manner and at the rates prescribed by law for the use and occupation of Pier,

new 35, North river, as extended, together with the shed thereon now occupied by said company for a period of ten years from the first day of May, 1893, for the sum of forty thousand six hundred and ninety dollars and four cents per annum (\$40,690.04) payable quarterly in advance to the Treasurer of this Department. The said lease shall contain the usual covenants and conditions as present embodied in the lease of wharf property now used by this Department.

On motion, the Board adjourned.

CHARLES J. FARLEY, Acting Secretary.

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The Board then met in executive session.

The resignations of Charles O'Connor and Rohdy Rinn, Laborers, and John Heffernan, Dock Builder, were accepted.

The following persons were discharged :

*Laborers.*

Frederick Reynolds.

John Ritchie.

The following persons were appointed :

*Laborers.*

John McCourt.

Augustin Whiting.

Cormack McLaughlin.

George Morton.

James Holmes.

Michael Fay.

*Dock Builders.*

Peter Monaghan.

Louis Fabur.

*Blacksmith.*

William Brown.

On motion, the Board adjourned.

CHARLES J. FARLEY, Acting Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Saturday, October 28, 1893, at 12 o'clock M.

Present—President Cram.

" Commissioner Phelan.

Absent— " White.

The President proceeded to open estimates for the removal of Pier, old 29, the shed and other structures thereon, on the North river, under Contract No. 461, the opening of which was postponed until this date, a representative of the Comptroller being present.

Seven estimates were received on contract No. 461, as follows :

Spearon & Preston, with security deposit, \$75. ....	\$4,500 00
Edward S. Walsh, " \$75. ....	4,000 00
Henry D. Steers, " \$75. ....	5,990 00
Barth. S. Cronin, " \$75. ....	2,439 00
P. Sanford Ross, " \$75. ....	4,500 00
James D. Leary, " \$75. ....	2,440 00
Moses Engle, " \$75. ....	1,690 00

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the contract opened this day for the removal of Pier, old 29, the shed and other structures thereon, on the North river, be and hereby is awarded to Moses Engle, he being the lowest bidder, upon the approval of sureties by the Comptroller.

On motion, the Board adjourned.

CHARLES J. FARLEY, Acting Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, November 2, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held October 26, 1893, were read and approved.

Daniel Lord, attorney for the Cunard Steamship Company (Limited), appeared and requested a modification of the lease granted December 13, 1892, of Pier, new 40, North river.

On motion, the following resolutions were adopted :

Resolved, That the resolutions adopted December 13, 1892, granting a lease to the Cunard Steamship Company (Limited) of Pier, new 40, North river, be amended, so that the following clauses be inserted in the new lease, thereby granted, as a covenant on the part of the lessor :

" And the parties of the first part further agree that they will, prior to the commencement of the term hereby granted, well and sufficiently repair and restore or cause to be repaired and restored the sewer discharging under and adjacent to said pier and will at their own costs and charges, keep and maintain said sewer, in like good order and condition during the term of this lease or any renewals thereof."

Resolved, That the covenant requiring the lessee to rebuild the said wharf property in case of total or partial destruction through fire, floating ice, collision, or the action of the elements, be qualified by the insertion in said lease of the following clause :

" Provided, however, that such rebuilding shall not be required to be of a different character than that of the pier as it existed at the date of such destruction."

A representative of the New Haven Steamboat Company was present in response to the order of the 26th ultimo to show cause why a penalty should not be imposed for violation of the rules and regulations of this Department, in allowing ashes to be thrown overboard from the steamer "Richard Peck" at the Pier foot of East Fifth street.

On motion, the case was dismissed.

James Montgomery appeared and offered to sell certain wharf property between One Hundred and Thirty-fourth and One Hundred and Thirty-fifth streets, Harlem river.

On motion, referred to the Treasurer.

The communication from William F. Cunningham, requesting permission to establish a dump foot of Ninety-first street, East river, was tabled.

The communication from John Anton, requesting permission to establish a dump on the upper side of the Pier foot of One Hundred and Tenth street, Harlem river, was referred to Commissioner White.

The following communication was referred to the Treasurer :

Thomas J. Sheridan—Requesting an extension of time for the completion of Contracts Nos. 441 and 445.

The following communications were referred to the Engineer-in-Chief to examine and report :

Department of Street Cleaning—Requesting dredging at the dumps foot of Twelfth, Nineteenth and Forty-seventh streets, North river, Pier 12 and Rutgers street, East river, and Lincoln avenue, Harlem river.

Health Department—Reporting repairs required to the landing stage at East One Hundred and Thirty-eighth street.

Dock Master Monaghan—Reporting dredging required at Pier 55, East river.

Dock Master Meehan—Reporting repairs required to the Pier at East Twenty-eighth street, and the bulkheads at Fifty-third and Fifty-fourth streets, East river.

The following applications were denied :

Al Foster Steamboat Company—To berth the steamer "Angler" at the Pier foot of West Forty-fourth street.

J. E. Slattery—To berth the boat "T. A. Kerker" at Third avenue, Harlem river, without paying wharfage.

Star Baggage Express Company—To place a house six feet by four feet, at Christopher street, North river.

The following permits were granted on the usual terms :

Gustave Mueller—To repair a leak in the water-pipe in front of Pier, new 41, North river.

Consolidated Gas Company—To repair a leak in the gas-pipe at Pier, new 21, North river.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

Nathan Straus—To erect a coal-bin 30 feet long, 6 feet high and 20 feet wide on Pier 44, East river.

United Electric Light and Power Company—To place a converter under the Pier at East Twenty-eighth street.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To repair their ferry-racks at Desbrosses street, North river.

Lawrence, Son & Gernish—To dredge in front of the bulkhead from Pier 55, East river, to the wharfe yard.

Moquin & Offerman—To dredge on the south side of Pier foot of West Ninety-sixth street.

**William P. Youngs & Brother**—To repair the bulkhead between Thirty-fifth and Thirty-sixth streets, East river ; the work to be kept within the existing lines.

**John F. Doyle & Sons**—To dredge the slip between Piers 14 and 15, East river.

On motion, the owners of Pier 14, East river, were directed to dredge alongside said pier, in conjunction with the work of dredging to be done in the slip between Piers 14 and 15.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Approving form of Contract No. 461.

2d. Stating that the New York, New Haven and Hartford Railroad Company had obtained a permanent injunction, restraining this Department from altering the roofs of Piers new 36 and old 45, East river.

On motion, the Counsel to the Corporation was requested to take an appeal from said decision.

From the Finance Department :

1st. Requesting information relative to the suit of Balet vs. The Mayor, etc., to recover the amount of his salary as Leveler for the month of July, 1893. The Secretary directed to furnish the information.

2d. Transmitting the approval of the Counsel to the Corporation of the transcript of judgment in favor of Daniel D. Lord vs. The Mayor, etc., for damages and purchase price of the bulkhead at Clarkson street, North river, and requesting a requisition for \$52,077.94 in settlement thereof. The Chief Clerk directed to prepare the necessary requisition.

3d. In reference to the substitution of surety on Contract No. 461.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted for the substitution of William P. Greenlie as surety in the place and stead of J. Eugene White, on the estimate of Moses Engle for the removal of Pier, old 29, the shed and other structures thereon, on the North river, under Contract No. 461.

From the Fire Department - Requesting a berth for the fire-boat "William F. Havemeyer," at Pier 55, East river. Application denied.

From Gilbert M. Speir, Jr., attorney—Requesting a postponement of the consideration of the purchase by the City of the wharf property between Twenty-second and Twenty-third streets, North river, until Thursday, November 9, 1893. Application granted.

From Michael Mitchell, lessee—Modifying his request of the 19th ultimo, for dredging at the Pier at West Thirty-fifth street. The Engineer-in-Chief directed to prepare specifications and form of contract for doing said work.



**From the Providence and Stonington Steamship Company :**

1st. Requesting permission to remain at Pier, old 29, North river, until December 1, 1893.

Time extended until November 15, 1893.

2d. Requesting permission to erect a shed on the extension to Pier, new 36, North river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the Providence and Stonington Steamship Company to erect a shed upon the extension of Pier, new 36, North river, in accordance with plans to be submitted to and approved by this Board. Said shed to be erected at the cost and expense of said company, under the supervision of the Engineer-in-Chief of this Department, and in accordance with the statutes in such cases made and provided. The title and ownership of said shed when completed and ready for occupancy shall become vested in the Mayor, Aldermen and Commonalty of the City of New York, free of all claims, charges and incumbrances of any kind whatsoever.

**From John Peirce—**Requesting an extension of time until January 1, 1894. to complete the deliveries of granite under Contract No. 455.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of deliveries of granite for bulkhead or river-wall under Contract No. 455 be and hereby is extended until January 1, 1894, provided the written consent of the sureties to said contract be filed in this Department.

**From Dock Master Carson :**

1st. Reporting damage to the Pier at West One Hundred and Thirty-first street by the barge "American Eagle," on the 28th ultimo. The Engineer-in-Chief directed to repair and report the cost for collection.

2d. Recommending the placing of a fire-hydrant on the northwest corner of One Hundred and thirty-eighth street and Madison avenue. Referred to the Department of Public Works.

**From Dock Master Abeel :**

1st Reporting the removal of the ice-bridge and scales from the bulkhead north of Pier, new 6, North river, by the Consumers' Ice Company, as directed September 18, 1893.

2d. Reporting repairs required to the approach to Pier, new 47, North river. The Engineer-in-Chief directed to repair.

**From the Treasurer :**

1st. Reporting adversely upon the application of Kane & Wright for a reduction of rent for the use of a portion of the Pier foot of East Forty-sixth street. Report approved.

2d. Recommending that the compensation to be charged Trapp & Bussing and others, to use a team-hoisting derrick for unloading coal on the bulkhead foot of West Ninety-sixth street, and the East River Gas Company for the privilege of storing a quantity of gas-pipe on the Pier foot of

West Fiftieth street, be fixed at the rate of \$1 per day each. Sundays included, payable at the end of each week to the Dock Master. Report approved.

3d. Recommending that the following claims be referred to the Counsel to the Corporation for collection :

A. T. Decker & Co., rental of Pier foot of Bethune street.....	\$3,091
James Rodgers, for rental of Pier at One Hundred and Thirty-eighth street, North river.....	150

The Counsel to the Corporation requested to institute legal proceedings for the collection of said amounts.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending November 1, 1893, amounting to \$28,999.20, which was received and ordered to be spread in on the minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DEBIT
1893. Oct. 27	Consumers' Brewing Co.....	4 mos. rent, bhd. north 54th st., E. R.	\$50 00		
" 27	" .....	1 qtr. rent, bhd. north 54th st., E. R.	37 50		
" 28	Southern Pacific Co.....	" Pier, new 37, N. R.....	13,750 00		
" 28	Morgan's La. & Texas R. R. & S. S. Co.....	" Pier, new 25, N. R .....	8,347 03		
" 31	Consumers' Ice Co.....	" Pier at Horatio st., N. R.	375 00		
" 31	H. L. Herbert.....	" bhd at 20th st., E. R.....	125 00		
" 31	Brown & Fleming.....	" bhd. foot 49th st., E. R....	131 25		
" 31	Riverside & Fort Lee Ferry Co .....	" S. side Pier at 131st st. and bhd. bet. 130th and 131st sts., N. R.....	125 00		
" 31	Riverside & Fort Lee Ferry Co .....	" bhd. pfm. at 130th st., N. R .....	100 00		
" 31	John H. McCarthy.....	" Pier at 117th st., H. R....	181 25		
" 31	John H. Starin .....	" Pier, new 58, N. R.....	3,125 00		
" 31	" .....	" Pier at 32d st., E. R.....	350 00		
" 31	" .....	" l. u. w. pfm. bet. Piers, old 18 and 20, N. R.....	300 00		
" 31	Cedar Hill Ice Co. ....	1 mos. rent, bhd. S. Pier, Little W. 12th st.....	125 00		
" 31	George A. Woods.....	Wharfage, District No. 2, N. R.....	690 82		
" 31	Edward Abel .....	" 4, " .....	183 16		
" 31	B. F. Kenney.....	" 6, " .....	50 10		
" 31	William B. Osborne .....	" 8, " .....	43 00		
" 31	James J. Fleming .....	" 10, " .....	141 44		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
Thomas P. Walsh .....	Wharfage, District No. 12, N. R.....	\$85 95		
Henry A. Palmstine .....	" 1, E. R.....	80 11		
Charles S. Coye.....	" 3, " .....	99 75		
James A. Monaghan.....	" 5, " .....	198 17		
Maurice Stack.....	" 7, " .....	63 05		
Joseph F. Meehan.....	" 9, " .....	72 42		
James W. Carson.....	" 11, " ... ..	62 52		
John J. Martin .....	" 13, " .....	106 68		
			\$28,999 20	Oct. 31.
		\$28,099 20	\$28,999 20	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

Auditing Committee presented an audit of four bills or claims, amounting to \$9, which were approved and audited and ordered to be spread in full on the minutes, as :

Construction Account.

Name.	Amount.
William D. Wheelwright and Charles R. Hewitt, Estimate No. 3, Contract No. 448 .....	\$13,588 69
Thomas J. Sheridan, Estimate No. 1 and final, Contract No. 441.....	3,725 00
John McLean, Estimate No. 3, Contract No. 449.....	29,785 50
	\$47,099 19

General Repairs Account.

The Atlantic Dredging Company, Estimate No. 1 and final, Contract No. 458	3,401 70
	\$50,500 89

Respectfully submitted,

ANDREW J. WHITE, { Auditing  
JAMES J. PHELAN, { Committee.

action of the President in transmitting the same, with requisitions for the amount, to the Department for payment, approved.

The Treasurer reported that he had received estimates for furnishing the Department with piles and iron work, as follows :

*About 507 Sound and Straight Piles, from 50 Feet to 85 Feet Long.*

Alfred J. Murray .....	\$4,215
Graves & Steers .....	5,064
C. N. Kimpland .....	5,462
E. Mors & Co. ....	5,848
W. H. Beard .....	6,591
H. M. Loud .....	7,098

*About 106,061 Pounds Iron Work.*

T. N. Motley & Co. ....	\$2,274
Greenlie, Wyatt & Co. ....	2,280
Alexander Pollock .....	2,312
Theodore Smith & Bro. ....	2,482
Robert Deeley & Co . . .	2,539
John Loyd ...	2,550

The action of the Treasurer in awarding the orders to Alfred J. Murray and T. N. Motley Co., they being the lowest bidders, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
13675.	Creosoted sewer staves.....per M	\$47
13676.	Rip-rap.....per cubic yard	
13677.	Piles.....	4,635
13678.	Piles.....	2,300
13679.	Oak fenders, etc .....	580
13680.	Weighmaster's beam.....	30
13681.	White oak piles .....	300
13682.	Iron.....	75
13683.	Iron work. ....	2,782
13684.	Steel rails, etc.....	330
13685.	White lead.....	132
13686.	White pine.....	217
13687.	Spike.....	915
13688.	Dredging.....	775
13689.	Services of horse, cart and driver.....per day	3
13690.	Iron work.....	1,496
13691.	Electric light engine.....	350
13692.	Repairs to Diver's collar.....	12
13693.	Dredging.....	1,900

Register No.	For What.	Estimated Cost.
13694.	Dredging .....	\$2,000 00
13695.	Dredging .....	1,000 00
13696.	Services of horse, cart and driver .....	210 00

From the Engineer-in-Chief :

1st. Reports for the week ending October 28, 1893.

2d. Reporting the completion of Contracts Nos. 446 and 458.

3d. Recommending that repairs be ordered to the Pier at West One Hundred and Thirty-first street, bulkhead platform between Sixty-first and Sixty-second streets, East river, and approach to the bulkhead at East Seventy-sixth street. The Engineer-in-Chief directed to repair.

4th. Reporting repairs required to Pier, new 63, and Pier at Fortieth street, North river. Lessee notified to repair.

5th. Recommending that a strip of Belgian block pavement be laid on the bulkhead between Twenty-ninth and Thirtieth streets, North river. The Engineer-in-Chief directed to pave a strip thirty feet wide, instead of fifteen feet wide, as recommended in his report.

6th. Recommending that Pier, old 54, East river, be fenced off from public use. Recommendation adopted.

7th. Reporting repairs required to Pile-driver No. 10.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to repair Pile-driver No. 10, for the uses and purposes of the Department, in executing the "new plan" for the improvement of the water-front, as provided by section 714 of the New York Consolidation Act of 1882 ; and that all the work and material hereby ordered be performed and purchased otherwise than by contract.

Report on Secretary's Order No. 13116—Submitting specifications and form of contract for a new pier foot of West Fifty-fourth street.

Report on Secretary's Order No. 13226—That he had furnished supplies for the Dock Master's office foot of Vesey street, North river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13130. Repaired Pier 57, East river.

No. 13181. Repaired the bulkhead south of West Eleventh street.

No. 13197. Repaired the Pier at East Thirty-eighth street.

No. 13212. Pointed the sea-wall between Piers, new 28 and 29, North river.

No. 13232. Repaired the Pier foot of East Ninety-fifth street.

No. 13248. Repaired the pavement on the bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third streets, North river.

No. 13249. Repaired the sheathing on deck of Pier at East One Hundred and Tenth street.

No. 13259. Repaired the bulkhead foot of East Seventeenth street.

No. 13264. Cleaned the bulkhead at West Ninety-sixth street.

No. 13279. Repaired Pier 48, East river.

No. 13285. Repaired the Battery steamboat landing.

The Engineer-in-Chief reported that he had superintended the following work under Secretary's Orders :

No. 12436. Laying plank on the new-made land foot of Harrison street, North river, by the West Shore Railroad Company.

No. 12953. Placing of a car-stand in front of Desbrosses Street Ferry by the Houston, West Street and Pavonia Ferry Railroad Company.

No. 13038. Dredging between Piers 4 and 5, East river.

No. 13129. Repairs to the northerly half of Pier 57, East river.

No. 13148. Removal of the shed on the Pier foot of West Thirteenth street.

No. 13191. Driving of piles at the timber basin foot of East One Hundred and Twenty-fifth street.

No. 13207. Repairs to Pier, new 62, North river.

No. 13216. Repairs to the bulkhead between Thirtieth and Thirty-first streets, East river.

No. 13263. Repairs to the Pier foot of East Sixth street.

No. 13237. Repairs to the Pier foot of East Seventh street.

No. 13266. Removal of canal-boat sunk at the Pier foot of West One Hundred and Fifty-eighth street.

No. 13273. Placing of cable connections under the Pier foot of East Twenty-eighth street.

The Engineer-in-Chief returned Secretary's Orders Nos. 12883, 13113, 13134, 13176 and 13265.

On motion, the Engineer-in-Chief was directed to submit to the Board, November 16, 1893, a map of the proposed new plan on the East river, between the Battery and Wall street.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a new pier at the foot of Twenty-ninth street, East river, with a temporary approach thereto, in accordance with the "new plan" duly determined and adopted for that section of the waterfront ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be con-

ed for, and that all the materials, tools and dredging necessary therefor, and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer other than by contract.

On motion, the matter of filling in required between Twenty-seventh and Thirtieth streets, at the river, was referred to the Treasurer.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

Peter Maiden, Laborer, was discharged.

The following persons were appointed :

*Laborers.*

William Tuite.	Thomas Sheridan.	Cornelius Hoey.
Thomas Muldoon.	W. H. Van Dorn.	John Osborne.
John Biggin.	Thomas Sarsfield.	Michael T. Kennie.
John Gilchrist.	Patrick Bohan.	John Guilfoyle.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, November 9, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 2d inst. were read and approved.

On motion, the matter of the purchase of the property between One Hundred and First and One Hundred and Second streets, Harlem river, referred to Commissioners White and Phelan June 22, 1893, was referred to Commissioner Phelan.

J. W. Miller, president of the Providence and Stonington Steamship Company, appeared and requested that his company be permitted to remain at Pier, old 29, North river, until December 1, 1893. Granted.

The communication from Miles M. O'Brien, Commissioner of the Board of Education, requesting permission to allow the school-ship "Saint Mary's" to remain at the Pier foot of East Twenty-eighth street until ready to sail, was referred to the Treasurer.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the New York, Lake Erie and Western Railroad Company—Submitting plans and specifications for a proposed extension to the ferry-rack at Chambers street, North river.

From the Department of Street Cleaning—Requesting dredging at the dumps foot of Seventeenth street, East river, and Nineteenth and One Hundred and Twenty-ninth streets, North river.

From Dock Master Fleming—Reporting dredging required on the north side of the Pier foot of West Fiftieth street.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

White Star Line—To extend railroad tracks on Pier, new 38, North river.

New York, Lake Erie and Western Railroad Company To replace spring piles on the north side of the Pier foot of West Twenty-second street, provided the consent of the lessee is obtained.

R. McLaughlin---To build a temporary pile platform at Willis avenue and Bronx Kills, in accordance with diagram submitted ; said platform to remain only during the pleasure of the Board.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation—Transmitting duplicate copies of the lease of Pier, new -- North river, to the Atlas Steamship Company (Limited), with his approval as to form indorsed

The officers of the Board authorized to execute said lease.



2d. Advising the Board, that it has no power to purchase water-front property where no new plan has been adopted.

From the Finance Department :

1st. Approving sureties on Contract No. 461.

2d. Requesting a requisition and voucher for \$27,912.80 in settlement of the judgment entered in the suit of Kingsland et al. vs. the Mayor, etc., for damages and purchase price for wharf property between Spring and Charlton streets. The Chief Clerk directed to prepare the necessary requisition.

From the Department of Public Works :

1st. Respecting the grades of East One Hundred and Sixth, One Hundred and Seventh, One Hundred and Eighth, One Hundred and Ninth and One Hundred and Tenth streets.

2d. Respecting a hydrant at the corner of Madison avenue and One Hundred and Thirty-eighth street.

From the Board of Street Opening and Improvement—Requesting a representative of this Board to be present at the meeting to be held on the 10th instant respecting the change in grade of West Forty-eighth, Forty-ninth and Fiftieth streets. Referred to the President.

From John Peirce—Inclosing the consent of the sureties to the extension of time granted for the completion of Contract No. 455.

From Edward Goodsell—Requesting a twenty years' lease of Pier, new 43, North river. Application denied.

From the Washington Heights Tax-payers' Association—Respecting the construction of a street along Sherman' Creek.

From the Pennsylvania Railroad Company—Requesting a lease of the bulkhead between Piers, 28 and 29, North river. Application denied.

From the Lehigh Valley Railroad Company :

1st. Requesting the Board to approve of the assignment of the lease of the Pier foot of Horatio street, North river, by the Consumers' Ice Company.

On motion, the following resolution was adopted :

Resolved, That license and consent be and hereby is granted the Consumers' Ice Company, lessee of Pier foot of Horatio street, North river, to sublet to the Lehigh Valley Railroad Company, so much of the wharfage granted by a certain lease dated May 1, 1891, as may accrue at said pier, provided the said lessee, the Consumers' Ice Company, and the sureties to said lease, shall file an agreement in writing with this Board that their obligations under the provisions thereof shall not in any manner be affected or impaired by reason of such license and consent to the said subletting.

2d. Requesting permission to erect a shed on the Pier foot of Horatio street, North river. Application denied.

3d. Requesting an extension of ten years of the existing lease of said pier. Appl denied.

From James P. Carson—Requesting an extension of time for the completion of No. 460.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the work of dredging, under Contract be and hereby is extended until November 10, 1893.

From John H. Starin—Requesting permission to sublet Pier, new 58, North river Delaware, Lackawanna and Western Railroad Company.

On motion, the following resolution was adopted :

Resolved, That license and consent be and hereby is granted John H. Starin, lessee new 58, North river, to sublet to the Delaware, Lackawanna and Western Railroad Company as much of the wharfage granted by a certain lease dated September 27, 1892, as may accrue on said pier, provided the said lessee, John H. Starin, and the sureties to said lease, shall file an agreement in writing with this Board that their obligations under the provisions thereof shall not in any way be affected or impaired by reason of such license and consent to the said subletting.

From the New York Floating Dry Dock Company—Stating that Benjamin Richard is their authorized agent and representative, and requesting a conference for the purchase of land and water-rights between Pike and Rutgers streets, East river.

From the White Star Line—Requesting alterations to Pier, new 38, North river. Engineer-in-Chief directed to cause an additional finish to be made to the corners of said pier.

From Dock Master Stack—Reporting repairs required to the bulkhead foot of East One Hundred and second street. The Engineer-in-Chief directed to repair.

From Dock Master Coye :

1st. Reporting repairs required to Pier 44, Pier, new 29, and Pier, new 32, East river. Engineer-in-Chief directed to repair.

2d. Reporting repairs required to Piers 18 and 21, East river. The owners and lessees directed to repair.

From the Treasurer :

1st. Recommending that the offer made by James Montgomery, on the 2d instant, be accepted, and as the title to the property between One Hundred and Thirty-fourth and One Hundred and fifth streets, Harlem river, is already vested in the City. Report approved.

2d. Recommending that a temporary permit be granted the New York, New Haven and Hartford Railroad Company for the use of the bulkhead foot of East One Hundred and Twenty-second street.

compensation to be fixed at the legal rates of wharfage payable to the Dock Master. Resolution adopted.

Recommending that the time for the completion of Contract No. 446, for building an iron pier on the Pier foot of West Fifty-second street, be extended until October 28, 1893. Resolution adopted.

Recommending that the privilege of filling-in between Twenty-seventh and Thirtieth North river, be granted to Thomas Smith, at the rate of ten cents per load. Resolution adopted.

Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending October 8, 1893, amounting to \$114,613.46, which was received and ordered to be spread in the minutes, as follows:

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
Peter Charles.....	1 qrs. rent l. u. w., bet. Piers 38 and 39, E. R.....	\$100 00		
Lehigh Valley R. R. Co.....	" Pier, old 56, N. R....	875 00		
" .....	" l. u. w., pfm. bet. Piers 2 and 3, N. R.....	137 50		
" .....	" bhd. ft. 43d st., E. R.....	75 00		
" .....	" bhd. ft. 44th st., E. R.....	6 25		
Bridgeport Steamboat Co.....	" wharf structure at Pier 35, E. R.....	375 00		
C. T. Van Santvoord.....	" Pier at 22d st., N. R....	3,129 82		
Pennsylvania R. R. Co.....	" Pier at W. 38th st., N. R....	2,500 00		
" .....	" l. u. w., extension to bhd., bet. Piers 3 and 6, and widening Piers 4 and 5, N. R.....	5,000 00		
" .....	" Piers, new 27 and 28, and bhd. bet. N. R.....	13,750 00		
" .....	" reclaimed land, S. Pier, old 1, N. R.....	250 00		
" .....	" l. u. w., pfm. So. Pier 16, and extension, N. R....	250 00		
" .....	" S. 1/2, Pier 15, and bhd. adj., N. R.....	2,000 00		
" .....	" l. u. w., pfm. N. Desbrosses st., N. R....	250 00		
George H. Penniman.....	" l. u. w., widening and extending Pier, old 56, E. R.....	750 00		
Quebec Steamship Co.....	" Pier, new 47, and bhd. N. R.....	5,000 00		
" .....	1 mos. rent bhd., bet. Piers, new 46 and 47, N. R.....	83 33		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D D R
1893.					18
Nov. 1	Carroll Box and Lumber Co..	1 mos. rent N. side, Pier at 19th st., N. R.....	\$125 00		
" 1	G. D. Curtis .....	1 qrs. rent coal hoist N. side 56th st., E. R.....	62 50		
" 1	Equitable Gas-light Co.....	" bhd. at 40th st., E. R.....	37 50		
" 1	" .....	" bhd. at 41st st., E. R.....	27 50		
" 1	N. Y. and Baltimore Transfer Company. ....	" l. u. w., pfm. bet. Piers 6 and 8, N. R.....	100 00		
" 1	Compagnie Gen. Trans'que...	" Pier, new 42, N. R. ....	11.625 00		
" 1	Delaware, Lacka. & Western R. R. Co.....	" l. u. w., pfm. bet. Piers 18 and 10, N. R.....	375 00		
" 1	Consolidated Gas Co.....	" bhd. at 15th st., E. R.....	68 75		
" 1	N. J. Steamboat Co.....	1 mos. rent Pier old 40, N. R.....	1,666 67		
" 1	Metropolitan S. S. Co.....	1 qrs. rent l. u. w., pfm. N. side Pier 10, N. R.....	187 50		
" 2	Pim, Forwood & Co.....	" Piers, new 55, N. R.....	6,250 00		
" 2	Hencken & Co.....	" bhd. at 4th st., E. R.....	37 50		
" 2	" .....	" N. side, Pier at 94th st., E. R.....	562 50		
" 2	Yellow Pine Co.....	" timber basin at 126th st., H. R.....	37 50		
" 2	Wssatern Stock Yard Co .....	" Pier, etc , at 40th st., N. R.	1,925 00		
" 2	Iron Steamboat Co.....	1 qrs. rent, Pier, new 1, N. R.....	8,775 00		
" 2	Penn. R. R. Co.....	" Pier at 37th st., N. R.....	2,500 00		
" 2	Homer Ramsdell.....	" Pier, new 24, N. R.....	7,171 55		
" 2	Homer Ramsdell Transporta- tion Co.....	" Pier at 133th st., N. R.....	300 00		
" 2	James Gillies & Sons.....	" bhd. bet. 49th and 50th sts., N. R.....	87 50		
" 2	N. Y. & Cuba Mail S. S. Co...	" E. half Pier, old 18, E. R..	2,375 00		
" 2	" .....	1 mos. rent, l. u. w., pfm. bet. Piers 16 and 17, E. R.....	147 86		
" 2	James Shewan .....	" Dry Dock, S. Stanton st..	208 33		
" 3	E. M. Van Tassel.....	1 qrs. rent, bhd. south side W. 11th st., N. R.....	462 50		
" 3	Union Stock Yard & Market Company.....	" Pier at 58th st , N. R.....	750 00		
" 3	H. & A. Allan.....	" Pier foot 21st st., N. R....	6,250 00		
" 3	N. Y. & Northern R'y Co....	1 mos. rent, Pier 40. E. R.....	1,041 66		
" 3	John H. Starin.....	Repairs to scow.....	62 39		
				\$87,751 61	No

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
3 Central R. R. of N. J.....	1 mos. rent, S. half Pier 14 and bhd., N. R.....	\$1,437 50		
3 National S. S. Co.....	1 qrs. tent, Pier, new 39, N. R.....	8,350 00		
6 L. I. Land and Fertilizing Co..	" bhd. and dump at 39th st , E. R. ....	500 00		
6 Joseph V. Brown.....	" Pier at E. 31st st., E. R....	687 50		
6 Hartford & N. Y. Transporta- } tion Co.....	" E. half Pier 24 and bhd., E. R. ....	1,625 00		
6 Balto. & Ohio R. R. Co.....	" l. u. w. pfm. E. and W. Pier 27, E. R.....	268 75		
6 " .....	" Pier at E. 37th st., E. R...	250 00		
6 " .....	" Pier at W. 17th st., N. R..	1,125 00		
6 Old Dominion S. S. Co. ....	" Pier, new 26, N. R.....	8,509 77		
6 " .....	" bhd. north and south Pier, new 26, N. R.....	2,525 00		
5 George A. Woods.....	Wharfage District No. 2, N. R.....	177 18		
6 Edward Abeel.....	" 4, " .....	423 39		
6 B. F. Kenney.....	" 6, " .....	91 81		
6 W. B Osborne.....	" 8, " .....	51 04		
6 James J. Fleming.....	" 10, " .....	121 88		
6 Thomas P. Walsh.....	" 12, " .....	45 65		
6 W. A. Palmstine.....	" 1, E. R.....	175 19		
6 Charles S. Coye.....	" 3, " .....	57 13		
6 James A. Monaghan.....	" 5, " .....	135 96		
6 Joseph F. Meehan.....	" 7, " .....	78 83		
6 James W. Carson.....	" 11, " .....	153 00		
6 John J. Martin. ....	" 13, " .....	71 27		
			\$26,861 85	Nov. 6
		\$114,613 46	\$114,613 46	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

he Auditing Committee presented an audit of eighteen bills or claims, amounting to \$8.70, which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.

No	Name.	Amount.
	Alexander Pollock, lead, tallow, etc....	\$433 00
	J. Henry Haggerty, oil.....	126 49
	Peter Timmes' Son, spike.....	460 00

Audit No.	Name.	Amount.
13688.	Baetjer & Meyerstein, cement.....	\$1,949 62
13689.	Babcock, Lary & Co., dredging.....	904 97
13690.	Abeel Bros., iron... ..	181 59
13691.	F. Eckel, repairing level.....	30 00
13692.	P. W. Vallely, desks, etc.....	141 00
13693.	Greenlie, Wyatt & Co., spike, etc.....	183 21
13694.	Phillips & Francisco, insurance.....	1,012 50
13695.	Alfred J. Murray, piles.....	1,100 00
		<hr/>

\$4

*General Repairs Account.*

13696.	Thomas Kelly, sprinkling.....	\$196 00
13697.	The New York Coal Tar Chemical Co., coal tar.....	229 50
13698.	Wood & Robinson, spruce.....	840 21
		<hr/>

1

*Construction Account.*

13699.	Sheridan & Byrne, Estimate No. 1, and final Contract No. 437. ....	2
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*Acquired Property Account.*

13700.	Daniel D. Lord or Lord, Day & Lord, attorneys, for judgment against the Mayor, etc., filed July 25, 1893, in Supreme Court, for purchase of bulkhead premises lying opposite the corner of West and Clarkson streets, North river.....	\$51,500 00
Interest thereon from July 25, 1893, to November 6, 1893, three months and eleven days at four per cent.....		577 94
		<hr/>

52

*Construction Account.*

13701.	John W. Flaherty, Estimate No. 2, Contract No. 454.....	1
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*Acquired Property Account.*

13702.	Cornelius F. Kingsland and others or Tracy, MacFarland, Boardman & Platt, attorneys, judgment obtained against the Mayor, etc., in Supreme Court, for forty feet six inches of bulkhead property acquired next northerly from a point one hundred feet northerly of Spring street, North river.....	\$27,698 15
Interest on \$18,225 from July 27, to November 13, 1893, at four per cent .....		214 65
		<hr/>

21

\$94

Respectfully submitted,

J. SERGEANT CRAM, }  
JAMES J. PHELAN, } Auditing Committee

The action of the President in transmitting the same with requisitions for the amount  
Finance Department for payment approved.

following requisitions were passed :

	For What.	Estimated Cost.
redging	.....	\$125 00
re-erected sewer staves	.....	129 18
redging	.....	512 50
repairs to derrick engine	.....	20 00
file shoes	.....	167 50
redging	.....	50 00

Treasurer reported that he had received estimates for furnishing the Department with piles, spike and iron work.

o Sound and S raight Yellow, White, Norway Pine or Cypress Piles from 65 to 70 Feet Long and 17, 16 and 14 inches diameter.

	EACH.	EACH.	EACH.
.....	\$12 00	\$12 00	\$8 00
plan .....	12 45	12 45	8 25
id .....	16 75	12 75	10 45
labor .....	14 20	14 20	14 20
rd.....	15 00	15 00	15 00
sters.....	12 00	10 00	10 00
Murray.....	15 00	15 00	10 00

d and Straight White, Yellow or Norway Pine Piles from 80 to 85 Feet Long, 16 Inches Diameter, 8 Feet from Butt.

opland.....	each	\$13 90
Murray.....	"	16 00
k Co.....	"	16 00
ard.....	"	16 50
Steers.....	"	17 45
ul .....	"	17 70
Taylor.....	"	18 26

45,000 Pounds Wrought Spikes.

Wyatt & Co .....	877 00
mme's Son.....	899 00
tarke.....	944 00
r Pollock.....	1,125 00

Audit No.

*Iron Work.*

13688.	.....	\$1,350 00
13689.	.....	1,361 33
13690.	.....	1,450 00
13691	.....	1,488 71
13692	.....	1,708 67
13693	.....	
1369	.....	
1369	.....	

1369. In action of the Treasurer in awarding the orders to E. Mors & Co., C. N. Kimpland and  
1369. .... they being the lowest bidders, approved.

136. .... the Engineer-in-Chief:

136. Report for the week ending November 4, 1893.

136. Reporting repairs required to the Pier at West Fifty-fifth street, and the approach to Piers,  
136. .... and 47, North river. The Engineer-in-Chief directed to repair.

136. Recommending that repairs be ordered to the scow "Paul," damaged by the tug  
136. .... Recommendation adopted.

136. Recommending the enlargement of the timber-basin at West Seventy-fifth street. The  
136. Engineer-in-Chief directed to do the necessary work.

136. Reporting the completion of the widening and extending of the Washington Pier. The  
136. Secretary directed to prepare the necessary lease, term to commence January 1, 1894; Commis-  
136. sioner Phelan not voting.

The Engineer-in-Chief submitted the following reports on Secretary's Orders:

No. 13320. As to the plans submitted by the Providence and Stonington Steamship Company  
136. for the extension of a shed on Pier, new 36, North river. Plans approved as amended.

No. 13220. Submitting cost of repairing Pier, new 59, North river, for collection from the Occi-  
136. dent Dock Company. Treasurer authorized to collect.

No. 13178. Submitting the cost of repairing the Pier at Riker's Island, for collection from Brown  
136. & Fleming. Treasurer authorized to collect.

The Engineer-in-Chief returned Secretary's Orders Nos. 12883, 13114, 13134, 13176, 13255  
136. and 13269.

The Engineer-in-Chief reported that the following work had been done by the force of the  
136. department under Secretary's Orders:

No. 13130. Repaired the southerly half of Pier 57, East river.

No. 13181. Repaired bulkhead south of West Eleventh street.

No. 13197. Refastened fender-pile at the Pier foot of East Thirty-eighth street.

No. 13212. Pointed the wall between Piers, new 28 and 29, North river.

No. 13232. Repaired the Pier foot of East Ninety-fifth street.

No. 13248. Repaired the pavement at the bulkhead between One Hundred and Thirty-second  
136. and One Hundred and Thirty-third streets, North river.



No. 13249. Repaired the sheathing on the deck of the Pier foot of East One Hundred and North street.

No. 13259. Repaired the bulkhead foot of East Seventeenth street.

No. 13264. Cleaned the bulkhead at West Ninety-sixty street.

No. 13265. Repaired the pavement at Pier, new 34, North river.

No. 13273. Placing of cable and connections under the Pier foot of East Twenty-eighth street.

No. 13279. Repaired Pier 48, East river.

No. 13285. Repaired the Battery Steamboat Landing.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's orders :

No. 12436. Laying planking on the new made land between Harrison and Franklin streets, North river.

No. 12953. Placing of a car-stand in front of Desbrosses street ferry.

No. 13038. Dredging between Piers 4 and 5, East river.

No. 13129. Repairs to the northerly half of Pier 57, East river.

No. 13148. Removal of the shed on the Pier foot of West Thirteenth street.

No. 13191. Driving of piles for timber-basin at East One Hundred and Twenty-fifth street.

No. 13207. Repairs to Pier, new 62, North river.

No. 13216. Repairs to the bulkhead between Thirtieth and Thirty-first street, East river.

No. 13236. Repairs to the backing-log at Pier foot of East Sixth street.

No. 13237. Repairs to the backing-log at Pier foot of East Seventh street.

No. 13266. Removal of canal boat sunk at the Pier foot of West One Hundred and Fifty-fifth street.

The action of Commissioners Cram and White, in directing the Engineer-in-Chief to prepare specifications and form of contract for the building of a movable crane, was approved.

The Secretary submitted a report of the tonnage of vessels berthed for the month ending September 30, 1893, on the North, East and Harlem rivers.

On motion, ordered to be spread in full on the minutes as follows :

<i>North River.</i>		
	Tons.	Tons.
Foreign.....	248,548	
Domestic.....	1,276,203	
	-----	1,524,751
<i>East River.</i>		
Foreign.....	24,680	
Domestic.....	533,712	
	-----	558,392

	Tons.	Tons.
.....	805	
.....	16,013	
	<hr/>	16,818
.....		<hr/>
		2,099.961
		<hr/>

..... for the month ending October 31, 1893, amounting  
..... Construction force for the week ending October 20,  
..... week ending October 27, 1893, amounting to \$11,960.23,  
..... amounting to \$13,512.48, had been approved and  
..... Department for payment.

AUGUSTUS T. DOCHARTY, Secretary.

..... executive session.  
..... were received, read, and  
..... placed on file.  
..... - Recommending the approval of his action in suspending Daniel  
..... Watchman, and Charles McLean, Blacksmith, for three days. Action  
..... Edward Robinson, Laborers, were discharged.

..... were appointed :

*Laborers.*

.....	Frank McCoy.	James Connolly.
.....	Patrick Corey.	George C. Reilly.

..... adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A." Battery place, Thursday, November 16, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 9th instant, were read and approved.

Gilbert M. Speir, Jr., attorney for Casimer de R. Moore, agent and representative of William T. Moore and the heirs of Mary C. Ogden, appeared and offered to sell all the riparian and wharfage rights in or annexed to or appurtenant to the premises between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue, for the sum of \$500 per lineal foot measured on the bulkhead line.

On motion, the following preamble and resolution were adopted :

Whereas, Gilbert M. Spier, Jr., attorney for Casimir de R. Moore, who is the agent and representative of William T. Moore and the heirs of Mary C. Ogden, has this day offered to sell to the Corporation of the City of New York all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue, for the sum of five hundred dollars per lineal foot, measured on the bulkhead line ; therefore be it

Resolved, That the offer to sell the said property for the sum of five hundred dollars per lineal foot, measured on the bulkhead line, be and the same is hereby accepted, provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges appertaining thereto or connected therewith can be acquired by, conveyed and vested in the Mayor, Aldermen and Commonalty of the City of New York, free from all incumbrances, subject, however, to the approval of the Commissioners of the Sinking Fund, and that an agreement to the foregoing effect, and in pursuance of section 715 of the New York City Consolidation Act of 1882, be entered into by this Department, to purchase the said property at the said price, from the owners thereof.

A representative of the Washington Heights Taxpayers' Association appeared and requested the construction of a new street along Sherman's Creek, and also the erection of a pier thereat.

On motion, the matter was referred to the Engineer-in-Chief to examine and report.

The following communications were referred to Commissioners Phelan and White :

From C. T. Van Santvoord, lessee—Requesting an extension of ten years with privilege of two renewals of his lease of the Pier foot of West Twenty-second street.

From the Central Railroad Company of New Jersey—Offering to sell to the City the north half of Pier, old 14, and the south half of Pier, old 12, North river, for the sum of \$425,000, pro-

vided the Department agrees to lease to said company when constructed two new piers, together with the adjacent bulkhead for a period of ten years, with a covenant for two renewals.

2d. Agreeing to reimburse the City for the building of a bulkhead wall across their property foot of Liberty street, provided the same be made part of the aforesaid agreement.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the Hoboken Ferry Company—Requesting permission to erect platform and ferry-ramp at Fourteenth street, North river.

From the Pennsylvania Railroad Company—Requesting permission to repair the underpinning at Pier 4, North river.

The following permits were granted on the usual terms :

New York Mutual Gas-light Company—To repair the service-pipe at Pier, new 42, North river.

Consolidated Gas Company—To regrade their gas-main at Twenty-seventh street and Thirtieth avenue.

The following permit was granted, the work to be done under the supervision of the Engineer-in-Chief :

Homer Ramsdell Transportation Company—To replace fender-piles at Pier, new 24, North river.

The following permit was granted during the pleasure of the Board, compensation to be fixed by the Treasurer :

J. W. Sullivan—To use and occupy the south side of Pier 54, East river.

The following communications were received, read, and

On motion, ordered to be placed on file :

From his Honor the Mayor—Transmitting a report from the Commissioners of Accounts.

From the Finance Department—Respecting the construction of a new pier foot of West Fifteenth street, under Contract No. 454. The action of the President in replying thereto approved.

From the Department of Taxes and Assessments—Requesting information as to the owners of the south half of the Pier foot of East Ninth river. Notify said Department that the title to said premises is not vested in the City.

From the Counsel to the Corporation—Transmitting check for \$2,500 in payment of judgment entered against the Cunard Steamship Company (Limited), for use of land under water in front of bulkhead north of Pier, new 40, North river, from April 15, 1884, to November 4, 1893.

From the Morris & Cumings Dredging Company—Proposing to do all the dredging required by the Department during the ensuing three years on the North, East and Harlem rivers for the permanent improvement of the water-front. Proposition accepted for a period of one year, Commissioner Phelan not voting.

From the House of Refuge, Randall's Island—Requesting the placing of a float foot of One Hundred and Twenty-fifth street, East river. The Engineer-in-Chief directed to build said float.

From Daniel Lord, attorney for the Cunard Steamship Company (Limited)—Requesting an extension of time in which to accept the resolution adopted April 20, 1893, leasing the bulkhead adjoining Pier, new 40, North river. Application granted.

From Timothy P. Sullivan—Offering to furnish copies of all bills introduced in the State Legislature during the session of 1894 for the sum of \$50. Proposition accepted.

From James McGovern—Requesting permission to place a small temporary car-stand on the new-made land opposite Christopher Street Ferry. Application denied.

From Dock Master Martin—Reporting repairs required to the Pier at West One Hundred and Fifty-fifth street. The Engineer-in-Chief directed to repair.

From Dock Master Monaghan :

1st. Reporting repairs required to the pavement foot of Corlears street, East river. The Engineer-in-Chief directed to repair if necessary.

2d. Reporting the non-removal of the brick foot of East Third street. Notify the owners that if said brick is not removed within forty-eight hours, it will be removed by the force of the Department at their cost and expense.

From Dock Master Meehan—Reporting the non-removal of the brick from the Pier foot of East Eighteenth street. Notify the owners that if said brick is not removed within forty-eight hours, it will be removed by the force of the Department at their cost and expense.

From Dock Master Abeel—Reporting a leak in the water-pipe underneath the crosswalk leading to Pier, new 39, North river. Lessee directed to repair.

From Dock Master Coye—Reporting dredging required in the slip on the south side of Pier 43, East river. The Engineer-in-Chief directed to prepare form of contract for doing said work.

From the Treasurer :

1st. Reporting the payment by James Rodgers of the rental due for the Pier at West One Hundred and Thirty-eighth street. Notify the Counsel to the Corporation.

2d. Respecting the price to be charged for the spaces set aside on the newly-made land between Franklin and Duane streets for the sale of Christmas trees. Recommendation adopted.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending November 15, 1893, amounting to \$86,404.43, which was received and ordered to be spread in on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D D 11
1893.					18
Nov. 8	W. J. Murray.....	Repairs to bhd. bet. Piers, new and old 1, N. R.....	\$41 89		
" 8	James Rogers.....	12 mos. rent Pier at W. 138th st.....	150 00		
" 8	N. Y., N. H. & Hartford R. R. Co.....	1 qrs. rent l. u. w. bet. Piers 49 and 50 E. R.....	250 00		
" 8	N. Y., N. H. & Hartford R. R. Co.....	" Pier, new 36, E. R.....	3,750 00		
" 8	N. Y., N. H. & Hartford R. R. Co.....	" l. u. w. pfm. bet. Piers 51 and 52, E. R.....	563 96		
" 8	Hoboken Land & Imp. Co....	" l. u. w. ferry structure S. of Barclay st., N. R.....	2,151 06		
" 8	Hoboken Ferry Co.....	" Bell tower on Pier, new 15, N. R.....	25 00		
" 8	" .....	" l. u. w. widening slip foot Barclay st., N. R.....	1,000 00		
" 8	Maurice Stack.....	Wharfage Dist. No. 9, E. R.....	391 25		
" 9	John A. McCarthy.....	1 qrs. rent undivided ninth part Pier, o'd 42, E. R.....	12 50		
" 9	" .....	" Pier 60 and bhd. No. E. R..	375 00		
" 9	Ocean S. S. Co. of Savannah..	" Pier, new 35, N. R. ....	10,171 51		
" 9	" ..	" bhd. S. Pier, new 35, N. R..	225 00		
" 10	N. Y. C. & H. R. R. R. Co....	" E. ½ Pier 4, E. R. ....	1,100 00		
" 10	" .....	" bhd. pfm. bet. Piers 4 and 5, E. R.....	275 00		
" 10	" .....	" bhd. bet. Piers 5 and 6, E. R.	275 00		
" 10	" .....	" Pier 5, E. R. ....	4,125 00		
" 10	" .....	" Pier 6, E. R.....	2,200 00		
" 10	" .....	" l. u. w. pfm. bet. Piers, old 25 and 27, N. R.....	787 50		
" 10	" .....	" l. u. w. pfm. bet. Piers, old 27 and 28, N. R.....	537 37		
" 10	" .....	" S. ½ bhd. ft. 60th st., N. R..	15 00		
" 10	" .....	" l. u. w. bet. 60th and 65th sts., N. R.....	1,500 00		
" 10	" .....	" l. u. w. bet. 65th and 72d sts., N. R.....	5,250 00		
" 10	" .....	" Extn. to Piers, old 25 and 27, N. R.....	1,000 00		
" 10	" .....	" foot 59th st., N. R.....	700 00		
" 10	" .....	" Piers 61, 62 and 63 and bhd., N. R.....	14,000 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
Thomas J. Brooks.....	6 mos. rent bhd. at 97th st., N. R.....	\$250 00		1893.
James Parks.....	1 qrs. rent Pier ft. 48th st., N. R.....	1,250 00		
E. Abeel.....	Storage of trucks.....	10 50		
A. W. Cruikshank.....	Blue print plans Pier at W. 134th st...	5 00		
Thomas Smith.....	Filling in at 27th and 30th sts., N. R., Nos. 1 to 5,000.....	500 00		
N. Y., L. E. & W. R. R. Co...	1 qrs. rent Piers, new 20 and 21 and bhds., N. R.....	25,000 00		
"	" W. ½ Pier 8, E. R.....	2,500 00		
"	" l. u. w. widening Pier 8, E. R.....	375 00		
George A. Woods.....	Wharfage, District No. 2, N. R.....	\$142 18	\$30,763 54	Nov. 13
Edward Abeel.....	" 4, " .....	175 82		
B. F. Kenney.....	" 6, " .....	339 75		
William B. Osborne.....	" 8, " .....	70 37		
James J. Fleming.....	" 10, " .....	101 18		
Thomas P. Walsh.....	" 12, " .....	43 40		
Henry A. Palmstine. ....	" 1, E. R .....	92 41		
Charles S. Coye.....	" 3, " ....	221 63		
James A. Monaghan.....	" 5, " ...	142 45		
Joseph F. Meehan.....	" 7, " .....	72 50		
Maurice Stack.....	" 9, " .....	125 92		
James W. Carson.....	" 11, " .....	245 01		
John J. Martin.....	" 13, " .....	118 27		
New York C. & H. R. R. R....	1 qrs. rent Pier at 36th st., N. R.....	3,750 00	\$5,640 89	Nov. 14
		\$86,404 43	\$86,404 43	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

Auditing Committee presented an audit of twenty bills or claims, amounting to \$5, which was approved and audited and ordered to be spread in full on the minutes, as

*Construction Account.*

Name.	Amount.
Phillips & Francisco, insurance.....	\$200 00
Vinton Smith, Estimate No. 2, Contract No. 452.....	11,892 45
Alexander Pollock, bolts, nuts, etc.....	440 41
Joseph Edwards & Co., repairs to pump.....	45 00

Iron Work.

Greenlie, Wyatt & Co .....	\$1,350 00
T. N. Motley & Co.....	1,361 33
John Loyd.....	1,450 00
Alexander Pollock.....	1,488 71
Robert Deeley & Co.....	1,708 67

The action of the Treasurer in awarding the orders to E. Mors & Co., C. N. Kimpland and Greenlie, Wyatt & Co., they being the lowest bidders, approved.

- From the Engineer-in-Chief :
- 1st. Report for the week ending November 4, 1893.
  - 2d. Reporting repairs required to the Pier at West Fifty-fifth street, and the approach to Piers, new 46 and 47, North river. The Engineer-in-Chief directed to repair.
  - 3d. Recommending that repairs be ordered to the scow "Paul," damaged by the tug "Manhattan." Recommendation adopted.
  - 4th. Recommending the enlargement of the timber-basin at West Seventy-fifth street. The Engineer in-Chief directed to do the necessary work.
  - 5th. Reporting the completion of the widening and extending of the Washington Pier. The Secretary directed to prepare the necessary lease, term to commence January 1. 1894 ; Commissioner Phelan not voting.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13320. As to the plans submitted by the Providence and Stonington Steamship Company for the extension of a shed on Pier, new 36, North river. Plans approved as amended.

No. 13220. Submitting cost of repairing Pier, new 59, North river, for collection from the Occident Dock Company. Treasurer authorized to collect.

No. 13178. Submitting the cost of repairing the Pier at Riker's Island, for collection from Brown & Fleming. Treasurer authorized to collect.

The Engineer-in-Chief returned Secretary's Orders Nos. 12883, 13114, 13134, 13176, 13255 and 13269.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

- No. 13130. Repaired the southerly half of Pier 57, East river.
- No. 13181. Repaired bulkhead south of West Eleventh street.
- No. 13197. Refastened fender-pile at the Pier foot of East Thirty-eighth street.
- No. 13212. Pointed the wall between Piers, new 28 and 29, North river.
- No. 13232. Repaired the Pier foot of East Ninety-fifth street.
- No. 13233. Enlargement at the bulkhead between One Hundred and Thirty-second streets, North river.



- No. 13249. Repaired the sheathing on the deck of the Pier foot of East One Hundred and street.
- No. 13259. Repaired the bulkhead foot of East Seventeenth street.
- No. 13264. Cleaned the bulkhead at West Ninety-sixty street.
- No. 13265. Repaired the pavement at Pier, new 34, North river.
- No. 13273. Placing of cable and connections under the Pier foot of East Twenty-eighth street.
- No. 13279. Repaired Pier 48, East river.
- No. 13285. Repaired the Battery Steamboat Landing.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's orders :

- No. 12436. Laying planking on the new made land between Harrison and Franklin streets, North river.
- No. 12953. Placing of a car-stand in front of Desbrosses street ferry.
- No. 13038. Dredging between Piers 4 and 5, East river.
- No. 13129. Repairs to the northerly half of Pier 57, East river.
- No. 13148. Removal of the shed on the Pier foot of West Thirteenth street.
- No. 13151. Driving of piles for timber-basin at East One Hundred and Twenty-fifth street.
- No. 13207. Repairs to Pier, new 62, North river.
- No. 13216. Repairs to the bulkhead between Thirtieth and Thirty-first street, East river.
- No. 13236. Repairs to the backing-log at Pier foot of East Sixth street.
- No. 13237. Repairs to the backing-log at Pier foot of East Seventh street.
- No. 13266. Removal of canal boat sunk at the Pier foot of West One Hundred and Fifty-eighth street.

The action of Commissioners Cram and White, in directing the Engineer-in-Chief to prepare specifications and form of contract for the building of a movable crane, was approved.

The Secretary submitted a report of the tonnage of vessels berthed for the month ending September 30, 1893, on the North, East and Harlem rivers.

On motion, ordered to be spread in full on the minutes as follows :

<i>North River.</i>		
	Tons.	Tons.
Foreign.....	248,548	
Domestic.....	1,276,203	
	-----	1,524,751
<i>East River.</i>		
Foreign.....	24,680	
Domestic.....	533,712	
	-----	558,392

	<i>Harlem River.</i>	
	Tons.	Tons.
Foreign .....	805	
Domestic .....	16,013	
		16,818
Total .....		2,099.961

The Secretary reported that the pay-rolls for the month ending October 31, 1893, amounting to \$13,261.53 ; for the General Repairs and Construction force for the week ending October 20, 1893, amounting to \$12,996.18 ; for the week ending October 27, 1893, amounting to \$11,960.23, and for the week ending November 3, 1893, amounting to \$13,512.48, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read, and

On motion, ordered to be placed on file.

From the Engineer-in-Chief—Recommending the approval of his action in suspending Daniel Tucker, Laborer, Acting Watchman, and Charles McLean, Blacksmith, for three days. Action approved.

Thomas Sarsfield and Edward Robinson, Laborers, were discharged.

The following persons were appointed :

*Laborers.*

Peter Madden.	Frank McCoy.	James Connolly.
Michael McInerny.	Patrick Corey.	George C. Reilly.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. "A," Battery place, Thursday, November 16, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 9th instant, were read and approved.

Gilbert M. Speir, Jr., attorney for Casimer de R. Moore, agent and representative of William T. Moore and the heirs of Mary C. Ogden, appeared and offered to sell all the riparian and wharfage rights in or annexed to or appurtenant to the premises between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue, for the sum of \$500 per lineal foot measured on the bulkhead line.

On motion, the following preamble and resolution were adopted :

Whereas, Gilbert M. Spier, Jr., attorney for Casimir de R. Moore, who is the agent and representative of William T. Moore and the heirs of Mary C. Ogden, has this day offered to sell to the Corporation of the City of New York all riparian and wharfage rights and interests in or annexed to or appurtenant to the premises between Twenty-second and Twenty-third streets, North river, on the Thirteenth avenue, for the sum of five hundred dollars per lineal foot, measured on the bulkhead line ; therefore be it

Resolved, That the offer to sell the said property for the sum of five hundred dollars per lineal foot, measured on the bulkhead line, be and the same is hereby accepted, provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, covenants and privileges appertaining thereto or connected therewith can be acquired by, conveyed and vested in the Mayor, Aldermen and Commonalty of the City of New York, free from all incumbrances, subject, however, to the approval of the Commissioners of the Sinking Fund, and that an agreement to the foregoing effect, and in pursuance of section 715 of the New York City Consolidation Act of 1882, be entered into by this Department, to purchase the said property at the said price, from the owners thereof.

A representative of the Washington Heights Taxpayers' Association appeared and requested the construction of a new street along Sherman's Creek, and also the erection of a pier thereat.

On motion, the matter was referred to the Engineer-in-Chief to examine and report.

The following communications were referred to Commissioners Phelan and White :

From C. T. Van Santvoord, lessee—Requesting an extension of ten years with privilege of two renewals of his lease of the Pier foot of West Twenty-second street.

From the Central Railroad Company of New Jersey—Offering to sell to the City the north half of Pier, old 14, and the south half of Pier, old 12, North river, for the sum of \$425,000, pro-

vided the Department agrees to lease to said company when constructed two new piers, together with the adjacent bulkhead for a period of ten years, with a covenant for two renewals.

2d. Agreeing to reimburse the City for the building of a bulkhead wall across their property foot of Liberty street, provided the same be made part of the aforesaid agreement.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the Hoboken Ferry Company—Requesting permission to erect platform and ferry-ramp at Fourteenth street, North river.

From the Pennsylvania Railroad Company—Requesting permission to repair the underpinning at Pier 4, North river.

The following permits were granted on the usual terms :

New York Mutual Gas-light Company—To repair the service-pipe at Pier, new 42, North river.

Consolidated Gas Company—To regrade their gas-main at Twenty-seventh street and Thirtieth avenue.

The following permit was granted, the work to be done under the supervision of the Engineer-in-Chief :

Homer Ramsdell Transportation Company—To replace fender-piles at Pier, new 24, North river.

The following permit was granted during the pleasure of the Board, compensation to be fixed by the Treasurer :

J. W. Sullivan—To use and occupy the south side of Pier 54, East river.

The following communications were received, read, and

On motion, ordered to be placed on file :

From his Honor the Mayor—Transmitting a report from the Commissioners of Accounts.

From the Finance Department—Respecting the construction of a new pier foot of West Fifteenth street, under Contract No. 454. The action of the President in replying thereto approved.

From the Department of Taxes and Assessments—Requesting information as to the owners of the south half of the Pier foot of East Ninth river. Notify said Department that the title said premises is not vested in the City.

From the Counsel to the Corporation—Transmitting check for \$2,500 in payment of judgment entered against the Cunard Steamship Company (Limited), for use of land under water in front of bulkhead north of Pier, new 40, North river, from April 15, 1884, to November 4, 1893.

From the Morris & Cumings Dredging Company—Proposing to do all the dredging required by the Department during the ensuing three years on the North, East and Harlem rivers for the permanent improvement of the water-front. Proposition accepted for a period of one year, Commissioner Phelan not voting.

From the House of Refuge, Randall's Island—Requesting the placing of a float foot of One Hundred and Twenty-fifth street, East river. The Engineer-in-Chief directed to build said float.

From Daniel Lord, attorney for the Cunard Steamship Company (Limited)—Requesting an extension of time in which to accept the resolution adopted April 20, 1893, leasing the bulkhead adjoining Pier, new 40, North river. Application granted.

From Timothy P. Sullivan—Offering to furnish copies of all bills introduced in the State Legislature during the session of 1894 for the sum of \$50. Proposition accepted.

From James McGovern—Requesting permission to place a small temporary car-stand on the new-made land opposite Christopher Street Ferry. Application denied.

From Dock Master Martin—Reporting repairs required to the Pier at West One Hundred and Fifty-fifth street. The Engineer-in-Chief directed to repair.

From Dock Master Monaghan :

1st. Reporting repairs required to the pavement foot of Corlears street, East river. The Engineer-in-Chief directed to repair if necessary.

2d. Reporting the non-removal of the brick foot of East Third street. Notify the owners that if said brick is not removed within forty-eight hours, it will be removed by the force of the Department at their cost and expense.

From Dock Master Meehan—Reporting the non-removal of the brick from the Pier foot of East Eighteenth street. Notify the owners that if said brick is not removed within forty-eight hours, it will be removed by the force of the Department at their cost and expense.

From Dock Master Abeel—Reporting a leak in the water-pipe underneath the crosswalk leading to Pier, new 39, North river. Lessee directed to repair.

From Dock Master Coye—Reporting dredging required in the slip on the south side of Pier 43, East river. The Engineer-in-Chief directed to prepare form of contract for doing said work.

From the Treasurer :

1st. Reporting the payment by James Rodgers of the rental due for the Pier at West One Hundred and Thirty-eighth street. Notify the Counsel to the Corporation.

2d. Respecting the price to be charged for the spaces set aside on the newly-made land between Franklin and Duane streets for the sale of Christmas trees. Recommendation adopted.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week end November 15, 1893, amounting to \$86,404.43, which was received and ordered to be spread in 1 on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DA DEB ITE
1893. Nov. 8	W. J. Murray.....	Repairs to bhd. bet. Piers, new and old 1, N. R.....	\$41 89		189
" 8	James Rogers.....	12 mos. rent Pier at W. 138th st.....	150 00		
" 8	N. Y., N. H. & Hartford R. R. Co.....	1 qrs. rent l. u. w. bet. Piers 49 and 50 E. R.....	250 00		
" 8	N. Y., N. H. & Hartford R. R. Co.....	" Pier, new 36, E. R.....	3,750 00		
" 8	N. Y., N. H. & Hartford R. R. Co.....	" l. u. w. pfm. bet. Piers 51 and 52, E. R.....	563 96		
" 8	Hoboken Land & Imp. Co....	" l. u. w. ferry structure S. of Barclay st., N. R.....	2,151 06		
" 8	Hoboken Ferry Co.....	" Bell tower on Pier, new 15, N. R.....	25 00		
" 8	" .....	" l. u. w. widening slip foot Barclay st., N. R.....	1,000 00		
" 8	Maurice Stack.....	Wharfage Dist. No. 9, E. R.....	391 25		
" 9	John A. McCarthy.....	1 qrs. rent undivided ninth part Pier, o'd 42, E. R.....	12 50		
" 9	" .....	" Pier 60 and bhd. No. F. R..	375 00		
" 9	Ocean S. S. Co. of Savannah..	" Pier, new 35, N. R. ....	10,171 51		
" 9	" ..	" bhd. S. Pier, new 35, N. R..	225 00		
" 10	N. Y. C. & H. R. R. R. Co....	" E. ½ Pier 4, E. R. ....	1,100 00		
" 10	" .....	" bhd. pfm. bet. Piers 4 and 5, E. R.....	275 00		
" 10	" .....	" bhd. bet. Piers 5 and 6, E. R.	275 00		
" 10	" .....	" Pier 5, E. R. ....	4,125 00		
" 10	" .....	" Pier 6, E. R.....	2,200 00		
" 10	" .....	" l. u. w. pfm. bet. Piers, old 25 and 27, N. R.....	787 50		
" 10	" .....	" l. u. w. pfm. bet. Piers, old 27 and 28, N. R.....	537 37		
" 10	" .....	" S. ½ bhd. ft. 60th st., N. R..	15 00		
" 10	" .....	" l. u. w. bet. 60th and 65th sts., N. R.....	1,500 00		
" 10	" .....	" l. u. w. bet. 65th and 72d sts., N. R.....	5,250 00		
" 10	" .....	" Extn. to Piers, old 25 and 27, N. R.....	1,000 00		
" 10	" .....	" foot 59th st., N. R.....	700 00		
" 10	" .....	" Piers 61, 62 and 63 and bhds., N. R.....	14,000 00		

12.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOS- ITED.
13-10	Thomas J. Brooks.....	6 mos. rent bhd. at 97th st., N. R.....	\$250 00		1893.
10	James Parks.....	1 qrs. rent Pier ft. 48th st., N. R.....	1,250 00		
10	E Abeel.....	Storage of trucks.....	10 50		
10	A. W. Cruikshank.....	Blue print plans Pier at W. 134th st...	5 00		
11	Thomas Smith.....	Filling in at 27th and 30th sts., N. R., Nos. 1 to 5,000.....	500 00		
13	N. Y., L. E. & W. R. R. Co...	1 qrs. rent Piers, new 20 and 21 and bhds., N. R.....	25,000 00		
13	"	" W. 1/2 Pier 8, E. R.....	2,500 00		
13	"	" l. u. w. widening Pier 8, E. R.....	375 00		
14	George A. Woods.....	Wharfage, District No. 2, N. R.....	\$142 18	\$30,763 54	Nov. 13
14	Edward Abeel.....	" 4, " .....	175 82		
14	B. F. Kenney.....	" 6, " .....	339 75		
14	William B. Osborne.....	" 8, " .....	70 37		
14	James J. Fleming.....	" 10, " .....	101 18		
14	Thomas P. Walsh.....	" 12, " .....	43 40		
14	Henry A. Palmstine. ....	" 1, E. R .....	92 41		
14	Charles S. Coye.....	" 3, " ....	221 63		
14	James A. Monaghan.....	" 5, " ...	142 45		
14	Joseph F. Meehan.....	" 7, " .....	72 50		
14	Maurice Stack.....	" 9, " .....	125 92		
14	James W. Carson.....	" 11, " .....	245 01		
14	John J. Martin.....	" 13, " .....	118 27		
13	New York C. & H. R. R. R...	1 qrs. rent Pier at 36th st., N. R.....	3,750 00	\$5,640 89	Nov. 14
			\$86,404 43	\$86,404 43	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of twenty bills or claims, amounting to \$116.85, which was approved and audited and ordered to be spread in full on the minutes, as follows :

Construction Account.

Bill No.	Name.	Amount.
03.	Phillips & Francisco, insurance.....	\$200 00
04.	F. Vinton Smith, Estimate No. 2, Contract No. 452.....	11,892 45
05.	Alexander Pollock, bolts, nuts, etc.....	440 41
06.	Joseph Edwards & Co., repairs to pump.....	45 00

Audit No.	Name.	Amount.
13707.	Carroll Box and Lumber Company, lumber.....	\$106 82
13708.	A. Schrader & Son, repairs to helmet, etc.....	12 00
13709.	Gas engine and Power Company, naphtha. ....	42 50
13710.	Lidgerwood Manufacturing Company, repairs to pile-driver.....	27 04
13711.	John Loyd, nuts.....	72 12
13712.	H. W. Johns Manufacturing Company, covering boilers.....	88 34
13713.	Alfred J. Murray, piles.....	1,230 00
13714.	Abraham Steers, lumber.....	122 90
13715.	Morris & Cumings Dredging Company, dredging.....	2,868 68
		<hr/> \$17,148 26

General Repairs Account.

13716.	Morris & Cumings Dredging Company, dredging.....	\$3,024 55
13717.	Edward McKeever, services horse, cart, etc.....	210 00
		<hr/> 3,234 55

Construction Account.

13718.	Car-fares .....	\$197 96
13719.	Incidentals .....	98 43
		<hr/> 296 39

Annual Expense Account.

13720.	Incidentals and car-fares.....	50 63
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Construction Account.

13721.	James Symington, Estimate No. 1, Contract No. 457 .....	\$5,250 45
13722.	John Pierce, Estimate No. 1, Contract No. 455.....	11,156 57
		<hr/> 16,387 02
		<hr/> \$37,116 85

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President, in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The Treasurer reported that he had received estimates for furnishing this Department with spruce, Portland cement and galvanized iron work, as follows :

About 105,335 Feet, B. M., Spruce.

James M. Motley.....	\$20 00 per M.
Abraham Steers.....	21 00 "
The East River Mill and Lumber Company.....	21 00 "
Bell Brothers.....	21 00 "
	<hr/>



*1,000 Barrels of Quick-setting Portland Cement.*

Baetjer & Meyerstein.....	\$2 13 per barrel.
James Brand.....	2 15 "
Sinclair & Babson.....	2 30 "

*Galvanized Iron Work.*

Alexander Pollock.....	5 <sup>44</sup> / <sub>100</sub> cents per lb.
John Loyd.....	5 <sup>3</sup> / <sub>4</sub> "
Greenlie, Wyatt & Co.....	5 <sup>8</sup> / <sub>16</sub> "

*500 Barrels Slow-setting Portland Cement.*

Atlas Cement Company.....	\$1 97 per barrel.
Baetjer & Meyerstein.....	2 15 "
James Brand.....	2 15 "

The action of the Treasurer in awarding the orders to James M. Motley, Baetjer & Meyerstein, Alexander Pollock and Atlas Cement Company, they being the lowest bidders, approved.

The following requisitions were passed :

Requisitor No.	For What.	Estimated Cost.
13703.	Iron.....	\$112 00
13704.	Quick-setting Portland cement .....	2,000 00
13705.	Wood screws .....	84 00
13706.	Galvanized iron work.....	520 00
13707.	Spruce.....	1,218 00
13708.	Dredging .....	4,000 00
13709.	Ship carpenters' augers.....	67 00
13710.	Spruce.....	83 25
13711.	Coal ... ..	850 00
13712.	Lag-screws.....	70 00
13713.	Slow-setting Portland cement .....	1,000 00
13714.	Sand.....	650 00
13715.	Broken stone.....	1,200 00
13716.	Services of tugs .....	per hour 5 00
13717.	Quick-setting Portland cement.....	1,000 00
13718.	Spruce.....	per M 21 00
13719.	Pipe fitting.....	40 00
13720.	Rubber packing, etc.....	55 00
13721.	Repairs to shutters.....	350 00
13722.	Dredging.....	937 50
13723.	Iron.....	107 00
13724.	Services of tugs.....	per hour 5 00
13725.	Repairs to pump. ....	10 00

Register No.	For What.	Estimated Cost.
13726.	Dredging.....	\$5,000 00
13727.	Bags ..	300 00
13728.	Paving .....	930 00
13729.	Stoves, complete.....	50 00
13730.	Roofing paper, etc.....	16 50
13731.	Stove, etc.....	12 50
13732.	Stove, etc.....	15 00
13733.	Pistons, etc.....	30 00
Requisition No.		
614.	Stationery, etc.....	

From the Engineer-in-Chief :

1st. Report for the week ending November 11, 1893.

2d. Reporting the completion of Contract No. 460.

On motion, the time for the completion of said contract was extended until November 16, 1893.

3d. Reporting the non-removal of an old propeller wheel from West Fifty-seventh Street Yard, sold at public auction March 20, 1893. Notify the purchaser that if said wheel is not removed by December 1, it will be considered as abandoned and resold.

4th. Recommending the building of a coal-bin at the outer end of the Pier foot of West Fifty-seventh street.

On motion, the following resolution was unanimously adopted :

Resolved, That for the purpose of facilitating the work of construction, under the "New Plan," the Engineer-in-Chief be and hereby is directed to build a proper and sufficient coal-bin or pocket, with the necessary hoisting engines, scales and other appurtenances, at the outer end of the Pier at the foot of West Fifty-seventh street, and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, implements, tools, appurtenances and appliances necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

5th. Report on Secretary's Order No. 13235—Submitting cost of repairs to Pier, new 22, North river, damaged by the ferry-boat "Newburgh." The Treasurer authorized to collect from the West Shore Railroad Company.

6th. Report on Secretary's Order No. 13292 —As to the cost of repairs to the Pier at One Hundred and Thirty-eighth street, Long Island Sound. The Engineer-in-Chief directed to repair.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

- No. 11937. Repaired the bulkhead at West Thirtieth street.
- No. 13146. Repaired the new sewer-box under Pier, new 40, North river.
- No. 13147. Furnished supplies for Dock Master's office, foot of East Thirty-first street.
- No. 13204. Repaired the Pier foot of West Thirty-fourth street.
- No. 13229. Repaired Pier, new 32, East river.
- No. 13231. Repaired the Pier foot of West Twentieth street.
- No. 13233. Repaired Pier, new 6, East river.
- No. 13234. Repaired the pavement on the bulkhead between One Hundred and Thirty-eighth and One Hundred and Fortieth streets, Harlem river.
- No. 13270. Repaired the Pier foot of West One Hundred and Fifty-second street.
- No. 13280. Removed the outer portion of the Pier foot of West Thirteenth street.
- No. 13284. Repaired the bulkhead foot of West Ninety-sixth street.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

- No. 12318. Changing location of market buildings between Piers 22 and 23, East river, and the section of a platform between said piers.
- No. 12582. Piercing of the bulkhead at Pier 20, East river, and building sewer under said Pier.
- No. 12983. Filling-in at Canal street, North river.
- No. 13100. Dredging at Pier, new 40, North river.
- No. 13101. Painting and repairing shed on Pier, new 1, North river.
- No. 13149. Removal of the outer portion of the north ferry-rack at West Thirteenth street.
- No. 13159. Dredging at the dumping-board foot of West Nineteenth street.
- No. 13171. Dredging foot of West Seventy-ninth street, West Eightieth street and the bulkhead between Seventy-ninth and Eightieth streets, North river.
- No. 13200. Removal of the ice-bridge, tally-house and scales from the bulkhead between Piers, new 36 and 37, North river
- No. 13211. Repairs to the easterly side of Pier 12, East river.
- No. 13228. Repairs to the pavement at entrance to Pier 21, East river.
- No. 13241. Repairs to the pavement on bulkhead in front of Pier 24, East river.
- No. 13244. Driving of fender-piles at the corners and south side of Pier, old 45, East river.
- No. 13257. Repairs to Pier, old 41, North river.
- No. 13262. Driving of piles at the outer corners and northerly side and cutting of three gangways on Pier 49, East river.
- No. 13271. Repairs to Pier at West Forty-sixth street.
- No. 13274. Placing of a steam hoisting engine on the bulkhead foot of West Ninety-sixth street
- No. 13278. Erection of an engine-house on the Pier foot of West Seventeenth street.
- No. 13288. Removal of the ice-bridge from the Pier foot of East Twenty-eighth street.
- No. 13290. Dredging at the bulkhead south of West Ninety-sixth street.

The Engineer-in-Chief returned Secretary's Orders Nos. 13219, 13297 and 13336.

On motion, the Treasurer was authorized to pay C. W. Davis, for salvage of tide gauge at One Hundred and Fifty-fifth street, Harlem river, the sum of \$10.

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the week ending November 10, 1893, amounting to \$10,653.05, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read and

On motion, ordered to be placed on file.

From the Engineer-in-Chief :

1st. Recommending the discharge of William Wells, Laborer.

On motion, said Wells was directed not to be again assigned to duty as Acting Watchman.

2d. Recommending the suspension of Laborers Maurice Roach, Patrick Quigley and John Carroll.

On motion, said Quigley and Roach were suspended for thirty days, and said Carroll was suspended sixty days.

From Nicholas J. Vander Weyde, Draughtsman—Requesting an increase of salary. Application denied.

The following persons were appointed :

*Laborers.*

Ebenezer Berry.	Patrick Walsh.	Joseph Rubsam.
Thomas Lamb.	William Gerrity.	Patrick Kearney.
Michael Mullin.	Charles E. Fullbrook.	John Bracken.
Arthur Lee.	John Smith.	George McNamara.

*Dock Builders.*

Charles Britt.	James Grandle.	James Brady.
Francis J. Mooney.	James Doyle.	Patrick Feehan.
John Leehan.	Bernard Berntson.	Timothy Keating.

John P. Frech, Laborer, was discharged.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, in "A," Battery place, Thursday, November 23, 1893.

Present—Commissioner Phelan.

" " White.

Absent—President Cram.

The minutes of the meeting held on the 16th instant were read and approved.

The application of Trapp & Bussing, and others, for a reduction in the compensation to be paid by them for the use of a steam hoisting derrick on the bulkhead foot of West Ninety-sixth street, was referred to the Treasurer.

The application of the Consolidated Gas Company, for a yearly permit to do all the work required in relaying gas-pipe between Twenty-third and Fifty-seventh streets, North river, was referred to the Engineer-in-Chief.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To repair the underpinning at Pier 4, North river.

Consumers' Brewing Company—To dredge in front of the bulkhead between Fifty-fourth and Fifty-fifth streets, East river.

Charles Van Riper—To dredge on the east side of the Harlem river, near One Hundred and Twentieth street.

M. Goodwin—To dredge under the dumping-board between Twenty-eighth and Twenty-ninth streets, East river.

John U. Brookman—To repair the Pier foot of East Ninth street.

Providence and Stonington Steamship Company—To erect two temporary wooden sheds on the new-made land in front of Pier, new 36, North river, in accordance with diagram submitted ; and sheds to remain thereat only during the pleasure of the Board.

The following permits were granted, to continue only during the pleasure of the Board :

Lawrence, Son & Gerrish—For tally-house and watchman's house on the bulkhead at the junction of Water and East streets, East river.

Al. Foster Steamboat Company—To occupy a berth at the Pier foot of West Fiftieth street ; compensation to be fixed by the Treasurer.

The following permits were granted on the usual terms :

New York Central and Hudson River Railroad Company—To extend a twelve-inch pipe across the bulkhead foot of Manhattan street, North river.

Consolidated Gas Company—To repair their gas-main foot of West Twenty-fifth street.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation—Transmitting copies of the lease of Pier, new 40, North river, to the Cunard Steamship Company (Limited) and lease of Pier, new 38, North river, to the Oceanic Steam Navigation Company (Limited) with his approval as to form indorsed thereon. The officers of the Board authorized to execute said leases.

From the Department of Public Parks—Notice of a meeting to be held on the 22d instant respecting the water-front at Riverside Park.

From Simon Sterne, attorney for the Hudson Tunnel Railway Company—Inclosing check for \$1,000 in part payment of rental, and requesting an additional extension of time of the order dated September 8, 1893, revoking the permit to occupy the reclaimed land south of Pier, new 42, North river.

On motion, the time was extended six weeks from date.

From John F. Murray—Reporting repairs required to the Pier at East Thirty-sixth street. Lessees notified to repair.

From Dock Master Monaghan—Reporting that a large boiler has been left on the bulkhead west of Pier 53, East river. Owners notified to remove.

From Dock Master Coye :

1st. Reporting repairs required to Pier 19, East river. The Engineer-in-Chief directed to repair.

2d. Reporting repairs required to Pier 39 and the bulkhead between Piers 38 and 39, East river. Owners notified to repair.

From Dock Master Stack—Reporting the sinking of the canal-boat "Mayor Hewitt," at the bulkhead between Ninety-fourth and Ninety-fifth streets, East river. Owners notified to remove.

From the Treasurer—Recommending that as a result of the conference on the 22d instant with the Park Department and the Board of Street Opening and Improvement, about one thousand one hundred (1,100) feet of water-front in the neighborhood of West Seventy-ninth street, and about eight hundred and twenty-five (825) feet in the neighborhood of West Ninety-sixth street be reserved for the future wants of this Department. Recommendation adopted.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending November 21, 1893, amounting to \$7,962.40, which was received and ordered to be spread in full in the minutes as follows :

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
					1893.
Nov. 15	N. Y., L. E. & W. R. R. Co...	1 qrs. rent, Pier foot 49th st., N. R...	\$2,500 00		
15	L. Edward Muller.....	1 mos. rent, bhd. S. Pier, new 39, N. R.	125 00		
15	W. H. Clark, Corporation Counsel, judgment against Cunard S. S. Co.....	Use of l. u. w. in front of bhd. N. Pier, new 40, N. R., from April 15, 1884, to November 4, 1893.....	2,500 00		
15	Brocklyn & N. Y. Ferry Co..	1 qrs. rent, bhd. foot 22d st., E. R.....	37 50		
17	Thomas Ward.....	1 mos. rent, bhd., etc., S. 80th st., N. R.....	83 37		
20	Horatio D. Mould.....	1 qrs. rent, pfm. W. side of Pier 53, E. R.....	31 25		
21	Central R. R. of N. J.....	" l. u. w. pfm. bet. Piers 12 and 13. and 13 and 14, N. R...	400 00		
21	George A. Woods.....	Wharfage, District No. 2, N. R.....	187 27		
21	Edward Abcel.....	" 4, " .....	435 51		
21	B. F. Kenney.....	" 6, " .....	290 61		
21	W. B. Osborne.....	" 8, " .....	108 29		
21	James J. Fleming.....	" 10, " .....	144 28		
21	Thomas P. Walsh .....	" 12, " .....	40 17		
21	H. A. Palmstine.....	" 1, E. R.....	127 82		
21	Charles S. Coye.....	" 3, " .....	367 33		
21	James A. Monaghan.....	" 5, " .....	105 45		
21	Joseph F. Meehan.....	" 7, " .....	88 25		
21	Maurice Stack.....	" 9, " .....	226 57		
21	James W. Carson.....	" 11, " .....	62 83		
21	John J. Martin.....	" 13, " .....	100 90		
				\$7,962 40	Nov. 21
			\$7,962 40	\$7,962 40	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of thirty-three bills or claims, amounting to \$35,091.42, which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.			
Audit No.	Name.	Amount.	
13723.	James D. Leary, yellow pine.....	\$13,591 00	
13724.	The John Good Cordage and Machine Company, rope, etc.....	719 38	
13725.	Alexander Pollock, copper, etc.....	130 45	
13726.	The Metropolitan Telephone and Telegraph Company, telephone service .....	113 90	
13727.	David Clark, docking tug, pier, etc.....	200 00	
13728.	Commonwealth Ice Company, ice.....	7 50	
13729.	Thomas C. Dunham, white lead .....	129 00	
13730.	James Symington, granite.....	210 21	
13731.	David Duncan & Son, coal.....	221 25	
13732.	Hodgman Rubber Company, diver's material .....	108 00	
13733.	Lidgerwood Manufacturing Company, repairs to derrick.....	12 76	
			\$15,4

General Repairs Account.			
13734.	Thomas Kelly, services of horse, cart, etc.....	\$210 00	
13735.	Wood & Robinson, spruce.....	839 96	
13736.	James P. Carson, Estimate No. 1, Contract No. 460.....	5,428 62	
			6,4

Construction Account.			
13737.	H. M. Loud, Estimate No. 1, Contract No. 456.....	\$2,834 14	
13738.	The New York News Publishing Company, advertising.....	152 50	
13739.	The "Sun," advertising .....	28 00	
13740.	Heipershausen Brothers, towing.....	243 75	
13741.	Greenlie, Wyatt & Co., lag screws.....	67 58	
13742.	The Broderick Supply Company, ship-clamps, etc.....	187 52	
13743.	Boston and Lockport Block Company, blocks .....	396 96	
13744.	Murray & Co., sand.....	340 90	
13745.	The Lehigh Valley Creosoting Company, sewer staves.....	977 74	
13746.	H. W. Johns Manufacturing Company, covering boilers, etc.....	116 85	
13747.	Baetjer & Meyerstein, cement.....	1,938 65	
13748.	Morris & Cumings Dredging Company, dredging .....	532 00	
13749.	Commonwealth Ice Company, ice .....	16 26	
13750.	Babcock, Lary & Co., dredging .....	819 72	
13751.	The New York News Publishing Company, advertising.....	21 00	
			8,6

General Repairs Account.			
13752.	The New York News Publishing Company, advertising.....	\$21 00	
13753.	James P. Carson, Estimate No. 2 and final, Contract No. 460.....	4,436 82	
			4,4



*Annual Expense Account.*

<i>Book No.</i>	<i>Name.</i>	<i>Amount.</i>
13754	The New York News Publishing Company, advertising.....	\$18 00
13755	The "Sun," advertising.....	20 00
		<u>\$38 00</u>
	Total .....	<u>\$35,091 42</u>

Respectfully submitted,

ANDREW J. WHITE, }  
 JAMES J. PHELAN, } Auditing Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

<i>Register No.</i>	<i>For What.</i>	<i>Estimated Cost.</i>
13734	Rubber boots.....	\$455 25
13735	Augers, etc.....	100 00
13736	Piles.....	8,116 00
13737	Valvaline oil.....	100 00
13738	Portland cement.....	1,040 00
13739	Dredging.....	480 00
13740	Screens.....	138 00
13741	Blue print paper.....	29 20
13742	Cotton hose....	62 00
13743	White cedar.....	30 00
13744	Services of horse, cart and driver.....	105 00
13745	Egg coal.....	<u>262 50</u>

The Treasurer reported that he had received estimates for furnishing the Department with sand, Portland cement, egg coal, broken stone and piles, and also for paving the new-made land between Twenty-ninth and Thirtieth streets, North river, as follows :

*Labor and Material to pave New-made Land, between West Twenty-ninth and Thirtieth Streets, North River.*

Thomas Smith.....	\$1 45 per square yard.
Thomas E. Crimmins.....	1 50 "
Thomas Gearty .....	<u>1 65</u> "

*About 1,000 Cubic Yards of Sand.*

James McLaughlin.....	68 cents per cubic yard.
Brown & Fleming.....	75 "
Murray & Co.....	80 "
Bouker Contracting Company.....	<u>85</u> "

500 Barrels Quick-setting Portland Cement.

James Brand.....	\$2 08 per barrel
Sinclair & Babson.....	2 30 "
Baetjer & Meyerstein.....	2 25 "

About 200 Gross Tons Anthracite Egg Coal.

David Duncan & Son.....	\$4 04 per gross
Hencken & Co.....	5 20 "

About 1,000 Cubic Yards of Broken Stone.

Brown & Fleming.....	\$1 20 per cubic yard
Bouker Contracting Company.....	1 30 "
H. P. Sheridan.....	1 30 "

676 White, Yellow or Norway Pine or Cypress Piles, 60 to 65 Feet Long, 14, 16 and Inches Diameter.

	14 INCHES DIAMETER.	16 INCHES DIAMETER.	17 INC DIAMETER.
H. M. Loud.....	\$9 45 each.	\$9 45 each.	\$9 45
William Taylor.....	13 50 "	13 50 "	13 50
Charles M. Kimpland.....	10 00 "	14 00 "	15 75
E. Mors & Co.....	10 00 "	13 00 "	15 00
Alfred J. Murray.....	10 00 "	14 00 "	16 00
Graves & Steers.....	7 95 "	11 95 "	11 95

The action of the Treasurer in awarding the orders to Thomas Smith, James McLaughlin, James Brand, David Duncan & Son, Brown & Fleming, and H. M. Loud, they being the low bidders, approved.

From the Engineer-in-Chief :

- 1st. Report for the quarter ending October 31, 1893. Transmit said report to his Honor the Mayor.
- 2d. Report for the week ending November 18, 1893.
- 3d. Reporting the stealing of a truck from the Department pound between Twenty-seventh and Twenty-eighth streets, North river.
- 4th. Reporting repairs required to the bulkhead foot of Delancey street, East river, and the flooring of the entrance-room at Pier "A," North river. The Engineer-in-Chief directed repair.
- 5th. Reporting repairs required to the Pier and approach foot of East Thirty-seventh street. The Baltimore and Ohio Railroad Company, lessee, directed to repair.

6th. Reporting damage to Pier, new 19, North river, by ferry-boats belonging to the New York, Lake Erie and Western Railroad Company and damage to the Washington Pier by the tug "Hoboken." The Engineer-in-Chief directed to repair and report the cost for collection.

7th. Report on Secretary's Order No. 13322.—Approving plans and specifications for the proposed extension to the ferry-racks at Chambers street, North river, submitted by the New York, Lake Erie and Western Railroad Company. Plans approved as amended.

8th. Report on Secretary's Order No. 13345—As to the application of the Hoboken Ferry Company to erect a platform and ferry-racks at the bulkhead between Thirteenth and Fourteenth streets, North river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the Hoboken Ferry Company to build a platform and racks in front of the bulkhead between Thirteenth and Fourteenth streets, North river ; said structures to be erected under the supervision of the Engineer-in-Chief, to remain only during the pleasure of the Board, provided said company agrees to pay as compensation for the use of the land under water, occupied by said structures, the sum of twenty-five cents per foot per annum, payable to the Treasurer.

Reports on Secretary's Orders Nos. 13302, 13328, 13296, 13298, 13299, 13300, 13301, 13335, and 13337—As to the dredging required at the Pier foot of West Thirty-fifth street, Pier foot of West Fiftieth street, and the dumping-boards of the Department of Street Cleaning at West Twelfth and Forty-seventh streets, Pier 44, East river, Pier 12, East river, Lincoln avenue, Harlem river, Twentieth street, East river, and One Hundred and Twenty-ninth street, North river. The Engineer-in-Chief directed to prepare specifications for dredging at the Piers foot of West Thirty-fifth and Fiftieth streets, and to make requisition for dredging at the various dumping-boards.

On motion, the Telephone and Telegraph Companies having cables at the foot of Lincoln avenue, Harlem river, were directed to remove same temporarily during the process of dredging.

On motion, the resolution adopted October 26, 1893, granting permission to James Symington to assign all moneys due on Contract No. 457, was amended so as to read as follows :

Resolved, That license and consent be and hereby is granted to James Symington to assign all moneys which may be due or become due under Contract No. 457, for furnishing granite stones for bulkhead or river-wall to the Rockport Granite Company.

The Secretary submitted the report for the quarter ending October 31, 1893, which he was directed to transmit to his Honor the Mayor.

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the week ending November 17, 1893, amounting to \$13,241.21, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned to meet Wednesday, November 29, 1893, at 12 o'clock M.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The report of the Engineer-in-Chief, recommending that his action in suspending Lat Acting Walchman, Edward J. Lynch for ten days was approved.

The following persons were discharged :

*Laborers.*

John Carlyle.

Cornelius Hoey.

Patrick Walsh.

Matthew Coughlin.

Marius Champlain.

*Dock Builders.*

George Armstrong.

Thomas Moran.

Thomas Kennedy.

*Ship Carpenter.*

Michael Leonard.

The following persons were appointed :

*Laborer.*

Thomas McMahon.

John Fenton.

*Dock Builder.*

Philip Farmer.

*Mason.*

James Cunningham.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Works of the City of New York, held in the office of the Board, Pier "A," Battery pier, Wednesday, November 22, 1883, at 12 o'clock.

Present—President Cran.

" Commissioner Fiebig.

" " Wine.

The minutes of the meeting held on the 23d inst. were read and approved.

The following communications were referred to Commissioner Fiebig:

From the Department of Public Parks—Transmitting resolution relating to the proposed extension of Riverside Park.

From the Engineer-in-Chief—Reporting additional filling as required in rear of bulkhead wall between Twenty-fifth and Twenty-sixth streets, North river, and at One Hundred and Twenty-fifth street, Harlem river.

The communication from the Hudson West Street and Paved Ferry Railroad Company, requesting permission to make repairs to the pavement on the new made land between the railroad tracks foot of Chambers street, for a period of one year, was referred to the Engineer-in-Chief.

The application of Wood & Robinson for permission to pile lumber temporarily on the Pier foot of One Hundred and Fortieth street, Harlem river, was referred to the Dock Master.

The following permits were granted, the work to be kept within existing lines and to be done under the supervision of the Engineer-in-Chief:

Central Railroad Company of New Jersey—To repair ferry-racks and drive piles at Piers 14 and 15, North river.

Department of Street Cleaning—Requesting permission to fill in the space between the railroad track and the new bulkhead at One Hundred and Twenty-ninth street, North river, and permit to continue only during the pleasure of the Board.

William J. Peck—To drive fifty fender piles at the bulkhead between Forty-seventh and Forty-eighth streets, East river.

New York Mutual Gas-light Company—To drive eight piles and repair the north side of the Pier foot of East Thirteenth street.

The following permits were granted, to continue only during the pleasure of the Board:

Carl Smith's Sons—Tally-house on the bulkhead between Piers 58 and 59, East river.

James Van Valkenburgh—Tally-house on Pier 48, East river.

Silas W. Driggs—Tally-house on Pier 47, East river.

New York and Norwalk Steamboat Company—Two tally-houses on Pier 23, East river.

Requa & Duell—Tally-house on the Pier foot of Jane street, North river.

George Morton—Tally-house on the Pier foot of Jane street, North river.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz. :

From the Counsel to the Corporation :

1st. Requesting to be informed whether there is sufficient evidence in possession of the Department to justify the prosecution of the following suits :

The Mayor, etc., vs. John J. Hicks.

The Mayor, etc., vs. Charles V. Kent and William A. Wheeler.

The Mayor, etc., vs. John J. Hicks and James L. Johnson.

The Secretary directed to reply.

2d. Submitting a list of expenses incurred in the examination of the title to Piers, old 33 and 34, North river, together with the bulkhead between. The Chief Clerk directed to draw requisition for \$552.08.

3d. Transmitting quadruplicate copies of agreement for the purchase of the bulkhead between Piers, old 28 and 29, North river, from the Old Colony Steamboat Company. The officers of the Board authorized to execute said agreement.

From the Department of Street Cleaning—Stating that the proposed new dump on Pier, old 42, North river, should be located on the south side of said pier. The Engineer-in-Chief directed to make the change if possible.

From the Police Department—Requesting the Board to erect and furnish a structure on Pier "A," North river, for the use of the Harbor Police. The Engineer-in-Chief directed to make said alterations.

From the International Navigation Company, Lessee—Respecting the lease of the Washington Pier.

From John D. and Thomas E. Crimmins—Withdrawing their offer of August 30, 1893, to sell to the City the bulkhead property between Ninety-sixth and Ninety-seventh streets, North river.

From Thomas Payne—Requesting permission to retain a stand on the bulkhead north of Pier 55, East river. Application denied.

From James B. Lyon—Offering to furnish legislative documents during the ensuing session. The Secretary directed to order two copies of the Senate and Assembly Journals and two copies of the Session Laws in slips, when signed by the Governor.

From the National Steamship Company, Lessee—Requesting the taking up and relaying of the pavement on the new-made land to allow repairs to the water-pipe connecting with Pier, new 39, North river. The Engineer-in-Chief directed to do said work and report cost for collection.

by the Treasurer—Recommending that no change be made in the compensation to be paid  
to J. & Bussing for a steam hoisting derrick on the bulkhead foot of West Ninety-sixth street.  
Resolution adopted.

by Commissioners Phelan and White—Respecting the offer of the Central Railroad Com-  
pany of New Jersey of the 16th instant, to sell to the City the northerly half of Pier, old 14, and  
the southerly half of Pier, old 12, North river.

On motion, the following resolution was adopted :

Resolved, That in pursuance of section 715 of the New York City Consolidation Act of 1882,  
an agreement be entered into between this Department and the Central Railroad Company of New  
Jersey for the purchase of the northerly half of Pier, old 14, and the southerly half of Pier, old 12,  
North river, together with about fifty-eight feet of bulkhead on the southerly side of said pier, old  
12, North river, for the sum of four hundred thousand dollars. Provided, however, that a good  
and sufficient title in all respects to the said property, together with all rights, terms, easements and  
interests appertaining thereto or connected therewith can be acquired by, conveyed to and vested  
in the Mayor, Aldermen and Commonalty of the City of New York, free from all encumbrances,  
subject, however, to the approval of the Commissioners of the Sinking Fund:

On motion, the following resolutions were adopted :

Resolved, That by virtue of the power and authority vested in this Board and in pursuance with  
the statutes in such cases made and provided, this Department hereby agrees to lease, assign and to  
convey to the Central Railroad Company of New Jersey, all and singular the wharfage which may  
accrue or become due in the manner and at the rates prescribed by law for the use and occu-  
pation of a pier to be built at or near the foot of Albany street, to be known as Pier, new 10,

rental of eighty-five thousand eight hundred dollars (\$85,800) for the first renewal term and ninety-four thousand three hundred and eighty dollars (\$94,380) for the second renewal term.

It being understood that the above resolution shall not be binding or of any force or effect unless the said Central Railroad Company of New Jersey shall, within ten days from receipt hereof, file in this office its written acceptance of the terms and conditions thereof, and agree to execute a lease to contain the usual covenants and conditions as at present embodied in the lease of wharf property now used by this Department.

Resolved, That permission be and hereby is granted the Central Railroad Company of New Jersey to extend the bulkhead line of the property owned by said company between Liberty and Cedar streets, now occupied by their ferry premises, about one hundred and seventy-three feet in length, and to build a sea-wall in conformity with the plan adopted by this Department at the cost and expense of said company under the supervision of the Engineer-in-Chief of this Department, as provided for in section 715 of the New York City Consolidation Act of 1882 as amended by chapter 397 of the Laws of 1893.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of sufficient concrete base blocks for the bulkhead or river-wall between a point opposite the middle of the block between Carlisle and Albany streets, on the North river, northerly to a point about forty feet southerly of the northerly line of Cedar street extended to the bulkhead line of 1871, = distance of about three hundred and forty-six feet ; and also with the construction of the bulkhead or river-wall, and with the improvement of the water-front between said points ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidated Act of 1882 ; and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for and that all the materials, tools and dredging necessary for the above-mentioned work of the wall, not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract as soon as the agreement for the purchase of said property is executed and approved by the Commissioners of the Sinking Fund.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending November 29, 1893, amounting to \$44,459.88, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893.					1893.
Nov. 22	West Shore R.R. Co.....	Repairs to Pier 22, N. R.....	\$19 50		
" 22	N. Y. & Long Branch S. B. Co.	Repairs to Battery Wharf.....	62 56		
" 22	Hudson River Tunnel Co....	6 mos. rent, reclaimed land S. Pier new 42, N. R.....	1,000 00		



FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1893.
Bernheimer & Schmid. ....	1 qrs. rent l. u. w. pfm. N. of 108th st., N. R. ....	\$150 37		
Clark & Seaman. ....	" l. u. w. pfm. bet. Piers 8 and 9, N. R. ....	375 00		
Wm. Cruikshank, Agent. ....	" l. u. w. extension to Pier 9, N. R. ....	200 00		
W. J. Murray. ....	" bhd. bet Piers, old and new 1, N. R. ....	250 00		
" .....	" bhd. foot 99th st., E. R. ....	375 00		
Cunard S. S. Co. ....	" Pier, new 40, N. R. ....	9,125 00		
Manhattan Ry. Co. ....	" l. u. w. N. of W. 159th st., H. R. ....	1,250 00		
Suburban Rapid Transit Co..	" l. u. w. for bridge pier, 129th st. and 2d ave. ....	125 00		
Providence & Stonington S. S. Co. ....	" Pier 29, N. R. ....	6,875 00		
Providence & Stonington S. S. Co. ....	" l. u. w. S. side Pier 29, N. R. ....	40 00		
Central R. R. Co. of N. J. ....	" Pier 13 and bhd. S. N. R. ....	6,000 00		
" .....	" No. 1/2 Pier 12 and bhd. N. R. ....	2,750 00		
" .....	" l. u. w. pfm. S. Pier 8, N. R. ....	375 00		
Adam Neidlinger. ....	" bhd., etc., 63d st., E. R. ....	120 00		
" .....	" bhd., etc., 64th st. E. R. ....	175 00		
Farmers' Feed Co. ....	" filled in land N. of 62d st., E. R. ....	25 00		
John R. McPherson. ....	" l. u. w. pfm. S. Pier at 40th st., N. R. ....	57 75		
New Haven S. B. Co. ....	" Pier 25 and bhd. adj. E. R. ....	2,250 00		
" .....	" W. 1/2 Pier 26 and bhd. adj., E. R. ....	750 00		
Ehrenreich Bros. . . . .	" filled in land bet. 62d and 63d sts., E. R. ....	25 00		
" .....	" l. u. w. pfm. S. 63d st., E. R. ....	25 00		
Knickerbocker Ice Co. ....	" bhd. S. side Pier at 33d st., E. R. ....	375 00		
" .....	" bhd. at Bank st., N. R. ....	212 50		
" .....	" bhd. at 93d st. E. R. ....	330 00		
" .....	" l. u. w. extension to Pier at 43d st, N. R. ....	25 00		
Murray & Co. ....	" bhd. foot 14th st., E. R. ....	131 25		
Old Colony S. B. Co. ....	" l. u. w. pfm. S. Pier, old 28, N. R. ....	31 50		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	Dr Dx It
1893.					It
Nov. 27	Old Colony S. B. Co.....	1 qrs. rent l. u. w. extension to Pier, old 28, N. R. ....	\$1,017 19		
" 27	" .....	" l. u. w. pfm. N. Pier, old 28, N. R.....	677 25		
" 27	William M. Montgomery. ....	" Pier at 119th st., E. R. ....	200 00		
" 27	Oceanic Steam Navigation Company.....	82 days' rent, extension to Pier, new 38, N. R. ....	954 79		
" 27	Metropolitan S.S. Co.....	1 qrs. rent, l. u. w. extension to Pier, old 11, N.R.....	200 00		
" 27	B. F. Clyde.....	" E. 1/2 Pier 33 and W. 1/2 Pier 34 and bhd., E. R..	2,000 00		
" 28	George A. Woods.....	Wharfage District No. 2, N. R.....	91 50		
" 28	Edward Abeel.....	" 4, " .....	195 81		
" 28	B. F. Kenney.....	" 6, " .....	219 74		
" 28	H. B Osborne.....	" 8, " .....	341 67		
" 28	James J. Fleming.....	" 10, " .....	117 32		
" 28	Thomas P. Walsh.....	" 12, " .....	29 50		
" 28	H. A. Palmstine.....	" 1, E. R.....	137 42		
" 28	Charles S. Coye.....	" 3, " .....	488 61		
" 28	James A. Monaghan.....	" 5, " .....	173 17		
" 28	Joseph F. Meehan.....	" 7, " .....	100 78		
" 28	Maurice Stack.....	" 9, " .....	131 39		
" 28	" .....	" 9, " .....	92 99		
" 28	James W. Carson.....	" 11, " .....	101 78		
" 28	John J. Martin. ....	" 13, " .....	102 92		
				\$40,859 26	No
" 28	Cedar Hill Ice Company....	1 mos. rent bhd. S. of Little West 12th st... ..	\$125 00		
" 28	Jefferson Hogan. ....	1 qrs. rent Pier, new 59, N. R.....	3,125 00		
" 28	" .....	Repairs to North corner Pier, new 59, N. R.....	10 62		
" 29	Bernard Campbell.....	1 qrs. rent bhd foot 137th st., H. R..	50 00		
" 29	" .....	" Pier at 16th st., N. R. ....	250 00		
				3,560 62	No
			\$44,459 88	\$44,459 88	

Respectfully submitted,  
JAMES J. PIIFLAN, Treasurer.

The Auditing Committee presented an audit of twenty bills or claims, amounting to \$23,939.52, which were approved and audited and ordered to be spread in full on the minutes as follows :

*Acquired Property Account.*

Bill No	Name.	Amount.
13750.	Robert L. Wensley, examining title to Piers, old 33 and 34, North river, and bulkhead between said piers.....	\$255 45
13757.	William H. Clark, Counsel to the Corporation, searching title to Piers, old 33 and 34, North river, and bulkheads between said piers :	
	Register's searches.....	\$254 28
	County Clerk's searches.....	42 35
		<hr/> 296 63
		<hr/> \$552 08

*Construction Account.*

13750.	New York Safety Steam Power Company, electric engine. ....	\$332 50
13750.	David Duncan & Son, coal....	985 76
13760.	Alexander Pollock, wood screws, etc.....	161 27
13761.	Abraham Steers, lumber .....	203 00
13762.	John Beck, brooms.....	48 00
13763.	Greenlie, Wyatt & Co., pile shoes.....	188 71
13764.	Central Ice Company, ice.....	58 50
13765.	N. W. Godfrey, gravel .....	171 00
13766.	The George F. Blake Manufacturing Company, repairs to pump..	15 12
13767.	Burns Brothers, coal.....	250 00
13768.	John T. Muller, tree nails.....	500 00
13769.	Bouker Contracting Company, broken stone.....	2,717 03
13771.	Morris and Cummings Dredging Company, dredging .....	2,048 16
13772.	Cohn McLean, Estimate No. 4, Contract No. 449 .....	10,463 40
		<hr/> 18,142 45

*General Repairs Account.*

13772.	Thomas Sheridan, Estimate No. 1 and final Contract No. 446.....	\$3,645 00
13773.	Thomas Kelly, sprinkling .....	196 00
13774.	Morris and Cummings Dredging Company, dredging.....	1,333 99
13775.	Peter Murray, services horse, cart, etc.....	70 00
		<hr/> 5,244 99
Total....		<hr/> \$23,939 52

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimate
13746.	Hoisting engine .....	\$
13747.	Coal tubs .....	
13748.	Platform scales .....	
13749.	Coal barrows. ....	
13750.	Generator, etc .....	
13751.	Second-hand iron chain .....	
13752.	Dredging .....	
13753.	Hemlock boards .....	
13754.	Spruce .....	per M
13755.	Dredging .....	
13756.	Spruce and pine .....	
13757.	Cocoanut brooms .....	
13758.	Chute sheaves, etc .....	
13759.	Steam pipes .....	
13760.	Services of tugs .....	
13761.	Rope, etc .....	
13762.	Brooms, etc .....	
13763.	Vice .....	
13764.	Dredging .....	6
13765.	Tin, etc .....	
13766.	Iron-work .....	2,c
13767.	Services of horse, cart and driver .....	per day
13768.	Pump, valves, etc .....	
13769.	Services of horse, cart and driver .....	per day
13770.	Oils .....	

From the Engineer-in-Chief :

1st. Report for the week ending November 25, 1893.

2d. Reporting cleaning and repairs required to the Piers foot of Forty-sixth and Fifty-first s North river. Lessees directed to repair and clean.

3d. Reporting repairs required to the sewer foot of Delancey street, East river. The D ment of Public Works requested to repair.

4th. Reporting repairs required to Piers, new 54 and 55, North river, the upper Pier 1 East Eighty-sixth street, and to the pavement of the temporary approach to Pier, new 60, river. The Engineer-in-Chief directed to repair.

5th. Reporting a sunken barge foot of West Seventy-second street. Owners directed to re

The Engineer-in-Chief reported that he had superintended the following work under Secretary's Orders :

No. 13064. Erection of a platform on piles with shed foot of Ackerman street, Spuyten Duyvil Dock.

No. 13243. Repairs to bulkhead between Ninety-third and Ninety-fourth streets, East river.

No. 13251. Erection of a coal-bin on the north side of the Pier foot of East Third street.

No. 13254. Replacing boat-house foot of One Hundred and Fifty-third street, Harlem river.

No. 13306. Repairs to Pier, new 63, North river.

No. 13315. Erection of a coal-bin on Pier 44, East river.

No. 13339. Regrading gas-main at Twenty-seventh street and Thirteenth avenue.

No. 13353. Removal of the old propeller wheel from West Fifty-seventh Street Yard.

No. 13238. Repairs to bulkhead between Piers 43 and 44, East river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13247. Repairs to Charity Hospital Dock, Blackwell's Island.

No. 13268. Repairs to Storehouse Dock, Blackwell's Island.

No. 13293. Repairs to approach to bulkhead foot of East Seventy-sixth street.

No. 13294. Repairs to Pier at West One Hundred and Thirty-first street.

No. 13312. Repairs to bulkhead foot of East Fifty-fourth street.

No. 13325. Repairs to scow "Paul," damaged by the tug "Manhattan."

No. 13327. Repairs to Pier at East Sixty-second street.

The Engineer-in-Chief returned Secretary's Orders Nos. 13295, 13352, 13342 and 13349.

From the Secretary— Submitting a report of tonnage of vessels berthed on the North, East and Harlem rivers for the month ending October 31, 1893.

On motion, ordered to be spread in full on the minutes as follows :

*North River.*

	Tons.	Tons.
Foreign .....	271,302	
Domestic.....	1,229,253	
	—————	1,500,555

*East River.*

Foreign .....	32,893	
Domestic.....	523,910	
	—————	556,803

*Harlem River.*

Foreign .....		
Domestic .....	11,675	
	—————	11,675

Total..... 2,069,033

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending November 24, 1893, amounting to \$13,615.12, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the following resolution was adopted :

Resolved, That the Engineer-in-Chief be and is hereby authorized and directed to make such small repairs as may be necessary to the water front property from time to time and to report the same to the Board when the aggregate amount approximates one thousand dollars.

On motion, the following resolutions were unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land extending from Pier, new 24, to the northerly line of Pier, new 29, North river, between the pavement already laid by the Department of Docks and the established bulkhead line, with granite or Staten Island syenite blocks upon a concrete foundation, and to lay the necessary crosswalks, drains and appurtenances to such pavement ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and implements necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

Resolved, That the Engineer-in-Chief be and hereby is directed to pave the newly-made land between Twenty-fourth and Twenty-fifth streets, North river, between the pavement already laid by the Department of Docks and the established bulkhead line, with granite or Staten Island syenite blocks upon a concrete foundation, and to lay the necessary crosswalks, drains and appurtenances to such pavement ; and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and implements necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the following preambles and resolutions were adopted :

Whereas, By section 715 of chapter 410 of the Laws of 1882, the Board of the Department of Docks of the City of New York is authorized to acquire by purchase, in the name and for the benefit of the Corporation of the City of New York, wharf property in said city and all rights, terms, easements and privileges pertaining thereto, subject to the approval of the Commissioners of the Sinking Fund, and agree with such owners upon a price for the same, and in case of failure to agree upon a price, to initiate legal proceedings to acquire the same for the improvement of the water front of said City ; and

Whereas, The Board is desirous of acquiring in the name and for the benefit of the Corporation of the City of New York, all riparian and wharfage rights and interests in or annexed to or appurtenant to the bulkhead on the North river, extending one hundred feet south of Perry street as extended ; and

Whereas, It appears that the Farmers' Loan and Trust Company, Trustees of the Estate of George S. Miller, deceased, are the owners in fee simple with all its hereditaments of the premises above named, including the riparian and wharfage rights.

Resolved, That this Board offers to purchase the said riparian and wharfage rights, with all its hereditaments, and pay for a good and sufficient title therefor, free from all incumbrances, the sum of four hundred and fifty dollars (\$450) per front foot, subject to the approval of the Commissioners of the Sinking Fund.

Resolved, That a copy of these preambles and resolutions be served upon the Farmers' Loan and Trust Company, Trustees of the Estate of George S. Miller, deceased, and the said company be and hereby is requested within ten days from receipt hereof, to notify this Board in writing whether they will sell the said riparian and wharfage rights and interests as aforesaid to the Mayor, Aldermen and Commonalty of the City of New York for the price above mentioned ; and in the event that they shall fail to notify this Board of their willingness to so convey their respective riparian and wharfage rights and interests as aforesaid, it shall be deemed that no price can be agreed upon for the said rights and interests between the owners thereof and this Department.

On motion, the following preambles and resolutions were adopted :

Whereas, Charles N. Lane is the owner of the bulkhead and water-rights opposite to the premises on West street from a point seventy-three feet northerly of the northerly line of Perry street, and running thence northerly twenty-three feet, together with all the rights of wharfage, cranage, advantages, emoluments and appurtenances connected therewith ; and

Whereas, The said Charles N. Lane has agreed to sell to the City the aforesaid bulkhead and water-rights for the sum of four hundred and fifty dollars per running foot front on West street.

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water-rights for the sum of four hundred and fifty dollars per lineal foot, measured on the bulkhead-line ; provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges appertaining thereto or connected therewith, can be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty of the City of New York, free from all encumbrances ; subject, however, to the approval of the Commissioners of the Sinking Fund.

On motion, the wharfage charged the Knickerbocker Steamboat Company for the privilege of landing the steamboat " Aurora " at the Battery Wharf from August 27 to September 24, 1893, was made \$67.50.

On motion, the resolution adopted October 26, 1893, was amended so as to read as follows :

Resolved, That the time for the completion of the work of building an iron awning shed on the pier at the foot of East Third street, under Contract No. 441, Thomas J. Sheridan, contractor, be and hereby is extended until September 30, 1893.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read, and

On motion, ordered to be placed on file, viz. :

From the Secretary—Recommending that the appointment of John M. Phelan, as Chief Clerk and Charles J. Farley, as Assistant Secretary, be made permanent. Recommendation adopted.

From S. W. Hoag, Jr., Assistant Engineer—Requesting an increase of salary.

On motion, the following resolution was adopted :

Resolved, That the salary of S. W. Hoag, Jr., Assistant Engineer in the service of this Department, be fixed at the rate of two hundred and twenty-five dollars per month, to take effect on and after January 1, 1894.

From the Engineer-in-Chief—Reporting that Luke McLaughlin is unassigned to duty for having been absent three successive days without being excused.

On motion, said McLaughlin was ordered to be restored to duty.

From the Engineer-in-Chief—Recommending that his action in directing that Laborer, Acting Watchman John P. Leddy, be not again assigned to duty as Acting Watchman be approved. Recommendation adopted.

From the Engineer-in-Chief—Recommending the discharge of Laborer Acting Watchman Timothy Horgan.

On motion, said Horgan was directed not to be assigned to duty for ten days.

On motion, the New York City Civil Service Boards were requested to send a list of persons eligible for appointment as Pile Driving Enginemen.

The following persons, not having been on the pay-roll for one month, were discharged :

*Laborers.*

James Corbett.	John Keefe.	Henry Ringsdorf.
Patrick Mee.	Michael McInerney.	Maurice Healy.
Archibald Douglas.	William Ryno.	Patrick Corey.
Andrew Gallagher.	William Swan.	Charles Curran.
Michael Fay.	William Shoveller.	John B. Farrell.
Charles Shalipher.	John Biggin.	Frank McQuade.
John Keenan.	Fredrick Reynolds.	William Tuite.
Patrick Gibbons.	Patrick Healy.	Matthew Mooney.

*Dock Builders.*

Bernard Fitzpatrick.	Edward Morstatt.	Louis Bagley.
Richard Cunningham.	William Ahearn.	Charles Brown.



Patrick Murray.  
 R. H. Parsons.  
 Joseph Coyle.  
 Frank Bradford.  
 Louis Anderson.  
 James Clark.  
 James Anderson.  
 Robert Quinn.  
 John Howland.  
 Patrick O'Connell.  
 James J. Thorpe.  
 Thomas Moran.  
 James Barrett.  
 Daniel Lynch.  
 William Hart.  
 Stephen Sullivan.  
 Danforth L. Allen.  
 Charles E. McEvoy.

William P. Dunn.  
 Daniel Curry.  
 George O'Dell.  
 John Boland.  
 John Rutledge.  
 Patrick Rogers.  
 Timothy Howard.  
 Patrick Nash.  
 William Young.  
 William Lane.  
 Michael McNeary.  
 Peter Rutledge.  
 Patrick Daly.  
 Henry Feldhous.  
 Robert Kennedy.  
 Francis J. Mooney.  
 Frank J. Clark.  
 Frederick Storch.

Frank McLaughlin.  
 John Benson.  
 Charles H. Carr.  
 John Voysey.  
 Patrick J. Cunningham.  
 Joseph Walsh.  
 John Keegan.  
 John O'Hill.  
 Thomas Hickey.  
 Charles A. Freed.  
 William J. Rodgers.  
 Henry Doyle.  
 William Mansfield.  
 William H. Conboy.  
 Edward Flynn.  
 Thomas Brady.  
 Fredrick Douglas.  
 John O'Connor.

*Stone Mason.*

Thomas Nolan.

*Stone Cutter.*

Michael Dunn.

*Assistant Diver.*

Thomas Gilligan.

*Boatman.*

Louis Sindgraff.

*Carpenter.*

Joseph Malloy.

*Ship Carpenters.*

David McElroy.

William Whitehart.

Michael Leonard.

The following persons resigned :

*Laborers.*

James T. Hannigan.

Michael Kehule.

Joseph Malloy.

John Kane.

Michael Mullin.

*Ship Carpenter.*

John Earley.

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The following persons were appointed :

*Laborers.*

John Reilly.

Patrick Walsh.

Joseph Fallon.

Edward Cunningham.

William Rinear.

*Dock Builder.*

Andrew Higgins.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, December 7, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 29th ultimo, were read and approved.

A representative of the People's Line of Steamers was present respecting the proposed improvement of the water-front at Pier, old 41, North river. He was informed that this Department would either permit said company to make the improvement or would do the work at their expense.

Dock Master Martin was present, respecting the berthing of vessels at the outer end of the Pier foot of West One Hundred and Thirty-first street, which he stated had not been assigned to any vessel for more than a year.

On motion, the Engineer-in-Chief was directed to place a sign forbidding all vessels to land thereat and the following resolution adopted :

Resolved, That from and after this date, the Dock Master be and he is hereby instructed to prevent the berthing of vessels at the end of the Pier foot of West One Hundred and Thirty-first street.

On motion, the Riverside and Fort Lee Ferry Company were requested to at once proceed with the construction of an additional ferry-rack in accordance with their permit of August 16, or close the entrance to the space between the southerly side of the Pier foot of West One Hundred and Thirty-first street and the existing northerly rack of said ferry, and unless said work is commenced within ten days, the Engineer-in-Chief was directed to drive a sufficient number of piles to prevent access thereto.

A representative of the Empire Coal Company was present and requested permission to remain during the ensuing winter months on the north side of Pier 54, East river, foot of Jackson street.

On motion, permit was granted, provided the company execute a bond indemnifying the City against accidents occurring on the pier, during said period and the Engineer-in-Chief directed to remove the fence across the north half of the pier when said bond is filed.

The communication from the Engineer-in-Chief submitting a draft plan for the improvement of the water-front between the Battery and Wall street, East river, was referred to the President and the Engineer-in-Chief directed to continue said plan to Grand street.

The following communications were referred to the Treasurer :

From Henry Keteltas, trustee—In reference to the purchase by the city of the bulkhead foot of Corlears street, East river.

From the Cunard Steamship Company (Limited), lessee—Relative to the rental charged for the extension of Pier, new 40, North river.

The communication from John A. McCarthy, respecting the occupation by the Department of the bulkhead between Rivington street and Pier 61, East river, for the storage of piles, was referred to the Engineer-in-Chief to examine and report ; his application for the use of the bulkhead between Piers 58 and 59, East river, was referred to the Dock Master.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

Providence and Stonington Steamship Company—To erect two temporary gangways on each side of Pier, new 36, North river, as shown on plan submitted.

John D. & Thomas E. Crimmins—With the approval of the Treasurer to erect a dumping-board on the bulkhead between Ninety-sixth and Ninety-seventh streets, North river.

Nathan Straus—To erect a coal-bin on the Pier foot of West Fifty-second street, 60 feet long, 6 feet high and 15 feet wide.

The following permits were granted on the usual terms :

Union Ferry Company and Brooklyn and New York Ferry Company—To make general repairs to their ferry premises during the ensuing three months.

The following communications were received, read, and

On motion, ordered to be placed on file, viz. :

From the Mayor's Office —Requesting certain data to be incorporated in his annual message to the Common Council. The action of the President in replying thereto approved.

From the Department of Public Charities and Correction :

1st. Requesting repairs to the "Quarry Dock," Blackwell's Island. The Engineer-in-Chief directed to repair.

2d. Requesting the driving of piles at the Pier on west side of Ward's Island. The Engineer-in-Chief directed to do said work.

From the Department of Street Cleaning—Requesting a permit to dump clean snow into the river. The Secretary directed to send a list of designated places.

From Frazee & Co.—Requesting a lease of the bulkhead between Thirty-third and Thirty-fourth streets, North river.

From Charles Lane—Acknowledging receipt of preambles and resolution adopted on the 29th ultimo, to purchase his twenty-three feet of bulkhead and water-rights on West street, northerly of Perry street.

**From Brown & Fleming**—Requesting permission to fill in behind the bulkhead-wall between **Stanton and Rivington streets, East river.**

**From the Providence and Stonington Steamship Company**—Requesting the replacing of backing-logs on the bulkhead adjoining Pier, new 36, North river. The Engineer-in-Chief directed to do said work.

**From the White Star Line**—Requesting dredging in the slip between Piers, new 44 and 45, and at Pier, new 38, North river. The Engineer-in-Chief directed to make requisition.

On motion, the Engineer-in-Chief was directed to examine and report, as to the dredging required between Piers, new 38 and 39, North river.

**From John D. & Thomas E. Crimmins**—Requesting permission to erect a shed on the bulkhead between Ninety-sixth and Ninety-seventh streets, North river.

On motion, the following resolution was adopted :

**Resolved,** That permission be and hereby is granted John D. & Thomas E. Crimmins, to erect a shed on the bulkhead between Ninety-sixth and Ninety-seventh streets, North river, one story high and twenty feet wide, said shed to be erected under the supervision of the Engineer-in-Chief, in accordance with the statutes in such cases made and provided and to remain thereat only during the pleasure of the Board.

**From the Treasurer :**

1st. Reporting that he had forwarded to the Department of Public Parks, the resolution as amended by this Board for the proposed extension of Riverside Park. Report approved.

2d. Recommending that the compensation to be charged John Anton for a dump at the Pier foot of East One Hundred and Tenth street, be fixed at the rate of \$1,000 per annum, payable at the end of each quarter to the Treasurer. Report approved.

**From Dock Master Martin**—Reporting dredging required at the bulkhead foot of Ninety-sixth street, North river, and at both sides of the Pier foot of West One Hundred and Fifty-eighth street. The Engineer-in-Chief directed to examine and report.

**From Dock Master Coye :**

1st. Reporting repairs required to the pavement in front of Piers 33 and 34, East river. Lessees directed to repair.

2d. Reporting repairs required to Pier, new 29, East river. The Engineer-in-Chief directed to repair.

**From Dock Master Woods**—Reporting the driving of piles in front of Castle Garden, by John D. Walsh. Notify said contractor to stop work until he obtains a permit.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending December 6, 1893, amounting to \$46,301.58, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED
1893.					1893
Dec. 1	Carroll Box and Lumber Co..	1 mos. rent north side Pier at 19th st., N. R.....	\$125 00		
" 1	Nassau Ferry Company.....	1 qrs. rent l. u. w. Pier S. Houston st., E. R.....	75 00		
" 1	" .....	" lhd., etc., at and south of Houston st., E. R. ....	625 00		
" 1	Dela., Lack. & W. R. R. Co...	" bhd. each side Pier, new 41, N. R.....	1,325 00		
" 1	" .....	" Pier, new 41, N. R. ....	7,625 00		
" 1	Charles W. Morse & Co.....	" bhd. pfm. S. 79th st., E. R..	450 00		
" 1	N. Y. & Texas S. S. Co.....	" W. ½ Pier 21, E. R.....	1,650 00		
" 1	" .....	1 mos. rent bhd. bet. Piers 20 and 21, E. R.....	83 33		
" 1	" .....	1 qrs. rent E. ½ Pier 20, E. R.....	1,925 00		
" 2	Robert S. Briggs.....	" Pier at W. 18th st., N. R...	550 00		
" 2	Quebec S. S. Co.....	1 mos. rent bhd. bet. Piers, new 46 and 47, N. R.....	83 33		
" 2	James Shewan. ....	" berth for dry dock ft. Stan-st., E. R.....	208 33		
" 2	Central R. R. of N. J.....	" south side Pier 14 and bhd. adg. N. R. ....	1,437 50		
" 2	New Jersey Steamboat Co....	" Pier, old 40, N. R.....	1,666 67		
" 2	Penn. R. R. Co.....	1 qrs. rent Pier, new 29, N. R. ....	7,500 00		
" 2	Cunard S. S. Co .....	Balance of rent Pier, new 40, N. R. ....	3,000 00		
" 2	James E. Ward & Co.....	" l. u. w. pfm. bet. Piers 16 and 17, E. R.....	147 86		
" 4	N. Y. & Northern Ky. Co.....	" Pier 40, E. R.....	1,041 00		
" 5	W. W. Rossiter.....	1 qrs. rent Pier, new 57, N. R.....	6,250 00		
" 5	Michael Mitchell.....	" Pier ft. 35th st., N. R.....	1, 50 00		
" 5	George Law .....	" N. ½ Pier at 10th st. and S. ½ Pier at 11th st., E. R..	375 00		
" 5	Sheridan & Byrne. ....	Repairs to Pier at E. 5th st., E. R....	155 08		
" 5	George A. Woods ....	Wearfage, District No. 2, N. R.....	331 20		
" 5	Edward Abeel.....	" 4, " .....	424 15		
" 5	B. F. Kenney.....	" 6, " .....	124 52		
" 5	William B. Osborne.....	" 8, " .....	394 22		
" 5	James J. Fleming.....	" 10, " .....	85 00		
" 5	Thomas P. Walsh.....	" 12, " .....	79 50		
" 5	Henry A. Palmstine. ....	" 1, E. R .....	91 49		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
Charles S. Coye.....	Wharfage, District No. 3, E. R.....	\$205 68		1893.
James A. Monaghan.....	" 5, " .....	472 72		
Joseph F. Meehan.....	" 7, " .....	112 26		
Maurice Stack.....	" 9, " .....	327 66		
James W. Carson.....	" 11, " .....	56 47		
John J. Martin.....	" 13, " .....	121 55		
N. Y., N. H. & H. R. R. Co....	1 qrs. rent l. u. w. widening, etc., Pier, old 45, E. R.....	178 50		
"	" E. 1/2 Pier 51 and W. 1/2 Pier 52 and bhd., E. R. ...	2,000 00		
Harlem River & Portchester R. R. ....	" l. u. w. pfm., bet. Piers 50 and 51, E. R.....	375 00		
William J. Clark.....	" l u. w. pfm. S. Pier 43, E. R.	48 90		
Maine Steamship Co.....	" Pier, old 38 and 1/2 bhd. west, E. R.....	3,000 00		
"	" l. u. w. pfm. west side Pier 38, E. R.....	99 63		
Thomas Ward.....	1 mos. rent bhd. south of 80th st., N. R.	83 37		
J. M. Ceballos & Co.....	1 qrs. rent l. u. w. covered by changes in Pier 10, E. R.....	125 00		
George A. Woods.....	Storage for trucks.....	16 00		
			\$46,301 58	Dec. 6
		\$46,301 58	\$46,301 58	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of nineteen bills or claims, amounting to \$1.22, which was approved and audited and ordered to be spread in full on the minutes, as follows:

No.	Name.	Construction Account.	Amount.	
6.	Car fares.....		\$218 98	
7.	Incidentals.....		251 42	
				\$470 40

Annual Expense Account.			
	Car fares, etc.....	\$50 91	
			50 91

Construction Account.	
Morris & Cumings Dredging Company, dredging.....	\$4,001 00
Brown & Fleming, broken stone.....	1,200 00

Audit No.	Name.	Amount.	
13781.	Alexander Pollock, augers.....	\$76 00	12
13782.	Abeel Bros., rails, etc.....	390 00	22
13783.	John Loyd, iron.....	80 15	22
13784.	Carroll Box and Lumber Company, cedar.....	31 25	22
13785.	M.M. Corwin, stoves, etc.....	27 28	22
13786.	C. F. Hodsden, spruce, etc.....	83 20	22
13787.	Heipershausen Bros., iron, etc.....	45 85	22
13788.	Hodgman Rubber Company, rubber boots.....	462 00	22
13789.	Alfred J. Murray, piles.....	1,432 64	22
13790.	N. P. Sheridan, rip-rap.....	338 21	22
13791.	Thomas Smith, paving.....	908 28	22
		—————	
			\$9,075 81

General Repairs Account.

13792.	Michael Hart, services horse, cart, etc.....	\$105 00	
13793.	Bell Bros., spruce.....	840 00	
13794.	Isaac Hall's Son, chain....	49 05	
		—————	
			994 05
			—————
	Total.....		\$10,591 22

Respectfully submitted,

JAMES J. PHELAN, }  
ANDREW J. WHITE, } Auditing Committee.

The action of the President, in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13771.	Yellow pine..... per M.	\$26 00
13772.	Dead oil.....	250 00
13773.	Spruce.....	193 89
13774.	Dredging.....	750 00
13775.	Dredging.....	600 00
13776.	Dredging.....	750 00
13777.	Paragon mounted paper, etc.....	8 50
13778.	Screw-bolts, etc..... per 100 lbs.	2 60
13779.	Services of horses, carts and drivers..... per day.	3 50
13780.	Dredging.....	1,000 00
13781.	Dredging..... per cubic yard.	18
13782.	Asbestos fire felt covering.....	120 00
13783.	Steel blade snow shovels.....	120 00



Co.	For What.	Estimated Cost.
	Forcite powder, etc.....	\$217 00
	Rubber hose.....	78 00
	White pine lumber, etc.....	126 80
	Coal.....	310 00
	Steam-fitting.....	45 00
	Cement.....	1,950 00
	Snow shovels.....	60 00
on No.	plies.....	.....

The Treasurer reported that he had received bids for furnishing the Department with electric motor, manilla rope and iron work, as follows:

*Easton Electric Generator.*

Bunnell & Co.....	\$495 00
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*12 Coils Manilla Rope, and 50 Coils Spun Yarn.*

John Good Cordage and Machine Company.....	\$704 60
Wright & Thompson.....	712 80
Walter Pollock.....	712 80
Milliken Brothers.....	<u>729 75</u>

*Iron Work.*

Milliken Brothers.....	\$937 99
Wheeler & Co.....	950 00
Wheeler, Wyatt & Co.....	960 00
Walter Pollock.....	<u>969 00</u>

*Iron Work.*

T. N. Motley & Co.....	\$1,956 19
Wheeler, Wyatt & Co.....	1,988 87
Wheeler Smith & Brothers.....	2,310 00
Walter Pollock.....	2,121 46
Wheeler Loyd.....	<u>2,149 87</u>

The action of the Treasurer in awarding the orders to J. H. Bunnell & Co., the John Good Cordage and Machine Company, Milliken Brothers, and T. N. Motley & Co., they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Report for the week ending December 2, 1893.

2d. Recommending the sale of certain old material at public auction.

On motion, the following resolution was adopted :

Resolved, That Van Tassell & Kearney, auctioneers, on behalf of this Board, be and ~~here~~ are authorized and directed to offer for sale at public auction, at various places on the North and ~~the~~ rivers, Thursday, December 21, 1893, commencing at ten o'clock A.M., certain old material, recommended by the Engineer-in-Chief.

3d. Reporting damage to Pier, new 22, North river, by the ferry-boat "Newburgh." The Engineer-in-Chief directed to repair and report cost for collection from the West Shore Railroad.

4th. Reporting the dumping of unclean snow and ice on piers and bulkheads. Transmit copy of said report to the Department of Street Cleaning.

5th. Report on Secretary's Order No. 13397—Recommending that a permit be granted to Houston, West Street and Pavonia Ferry Railroad Company to repair tracks, car-stand, etc., at the foot of Chambers street, the taking up and relaying of the pavement to be done by the force of the Department at their expense. Recommendation adopted.

6th. Report on Secretary's Order No. 13351—As to the dredging required at Pier 43, East river. The Engineer-in-Chief directed to make requisition.

7th. Report on Secretary's Order No. 13169—Submitting cost of taking up and relaying the pavement at Pier, new 14, North river, to permit the digging of post-holes for a shed on said pier. The Treasurer authorized to collect from the International Navigation Company.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13239 Repairs to Pier 55, East river.

No. 13258. Erection of office for Dock Master on Pier foot of West Thirty-fourth street.

No. 13310. Repairs to the Pier foot of East Twenty-eighth street.

No. 13311. Repairs to the bulkhead at East Fifty-third street.

No. 13340. Additional finish to the corner of Pier, new 38, North river.

No. 13350. Repairs to the pavement at the bulkhead foot of Corlears street, East river.

No. 13368. Repairs to the entrance-room Pier "A," North river.

No. 13398. Removal of canal-boat "Admiral," from the slip between Pier "A" and Pier, new 1, North river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13275. Placing of drain-box on the bulkhead between Twenty-second and Twenty-third streets, North river.

No. 13316. Repairs to ferry-rack at Desbrosses street, North river.

No. 13329. Repairs to Pier 18, East river.

No. 13334. Repairs to the Pier at West Twenty-second street.

No. 13346. Repairs to Pier, new 24, North river.

No. 13357. Extension of pipe foot of Manhattan street, North river.

No. 13362. Repairs to gas-main foot of West Twenty-fifth street.

The Secretary reported the pay-rolls for the month ending November 30, 1893, amounting to \$13,269.92, and the pay-rolls for the General Repairs and Construction force for the week ending December 1, 1893, amounting to \$12,132.14, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the matter of the purchase of the block bounded by Bank, Bethune, West streets and Thirteenth avenue, together with water-rights in front of same, was referred to Commissioners Melan and White.

On motion, the following preambles and resolution were adopted :

Whereas, Washington Brockner is the representative of the owners of the bulkhead and water-rights opposite the premises on West street, from a point one hundred and thirty-five feet northerly of the northerly line of Perry street, and running thence northerly twenty-three feet, together with all the rights of wharfage, crantage, advantages, emoluments and appurtenances connected therewith ; and

Whereas, The said Washington Brockner has agreed to sell to the City the aforesaid bulkhead and water-rights for the sum of four hundred and fifty dollars per running foot front on West street ;

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water-rights for the sum of four hundred and fifty dollars per lineal foot, measured on the bulkhead-line ; provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges appertaining thereto or connected therewith, can be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty of the City of New York, free and clear from all encumbrances ; subject, however, to the approval of the Commissioners of the Sinking Fund.

On motion, the following preambles and resolution were adopted :

Whereas, Henry Chastain is the owner of the bulkhead and water-rights opposite to the premises on West street, from a point one hundred and fifty-eight feet northerly of the northerly line of Perry street, and running thence northerly forty-three feet and three inches ; together with all the rights of wharfage, crantage, advantages, emoluments and appurtenances connected therewith ; and

Whereas, The said Henry Chastain has agreed to sell to the City the aforesaid bulkhead and water-rights for the sum of four hundred and fifty dollars per running foot front on West street ;

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water-rights for the sum of four hundred and fifty dollars per lineal foot, measured on the bulkhead-line ; provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges appertaining thereto or connected therewith, can be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty of the City of New York, free from all encumbrances ; subject, however, to the approval of the Commissioners of the Sinking Fund.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to build a new deck-scow be used in constructing the bulkhead or river wall under the "new plan" adopted for the improvement of the water-front, said scow to be about seventy feet long, about thirty feet wide and about seven and one-half feet deep, in general accordance with the plans for deck-scows heretofore approved in this Department ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882 ; and that all the materials, tools, etc., necessary for the same not now contracted for, or which may not be after be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

From the New York City Civil Service Boards—Submitting a list of persons eligible for appointment as Pile-driving Enginemen.

On motion, the following resolution was adopted :

Resolved, That John R. Grant, Jr., who has been certified to by the Civil Service Board as eligible, be and hereby is appointed Pile-driving Engineman, with compensation at the rate of thirty-five cents per hour, to take effect December 9, 1893.

From the Engineer-in-Chief :

1st. Reporting that Thomas Morgan, Dock Builder, failed to procure dock-builders' tools, and report for work when ordered by the Superintendent of Repairs.

On motion, said Morgan was ordered to appear before the Board, Thursday, December 1893, at 11 o'clock A. M., and show cause why he should not be discharged.

2d. Reporting that the services of two additional Enginemen are required. The Civil Service Boards requested to submit an eligible list.

From Edward Gottschall, Searcher of Water Grants—Requesting an increase of salary. Referred to the Treasurer.

On motion, the following resolutions were adopted :

Resolved, That the compensation of Alger C. Gildersleeve, Transitman, be and is hereby fixed at the rate of one hundred dollars per month, to take effect January 1, 1894.

Resolved, That the compensation of Allen N. Spooner, Assistant Engineer, be and is hereby fixed at the rate of one hundred and sixty-five dollars per month, to take effect January 1, 1894.

Resolved, That the compensation of Joseph W. Balet, Leveler, be and is hereby fixed at the rate of one hundred dollars per month, to take effect January 1, 1894.

On motion, the Engineer-in-Chief was directed not to assign John Carroll, Laborer, to duty as Acting Watchman for forty days, instead of sixty days as previously ordered.

On motion, James Gannon, Laborer, was promoted to Blacksmith's Helper.

The resignations of Mortimer Sullivan, Dock Builder, and Edward S. Gutierrez, Steam Engineer, were accepted.

The following persons, not having been on the pay-rolls for more than one month, were discharged :

*Laborers.*

James Bransfield.	Thomas Fitzgerald.	John Casey.
Patrick Doyle.	William H. Gay.	John Doonan.
Frank Galvin.	James Griffin, No. 2.	James Gaffney.
Daniel Griffin.	James Hartney.	Michael Gerrity.
Thomas Hanson.	Thomas Lahey.	John Guilfoyle.
Charles Keenan.	Hugh McGuire.	Joseph Lantry.
John McAdam.	Patrick Mee.	Thomas McKeon.
David Marwick.	Timothy Sheehan.	Thomas Muldoon.
Michael Reilly.	George Wagner.	Matthew Sloan.
Henry Smith.	William Zagicek.	Christopher Walsh.
Thomas Dwyer.		

*Dock Builders.*

Samuel Abrams.	Owen Trainor.	Joseph Conklin.
Charles A. Campbell.	Edward J. Carroll.	John L. Dalton.
James Cullen, No. 2.	Michael Early.	George I. Ellis.
John C. Denham.	Michael Hammell.	G. W. Jones.
Lawrence F. Garvey.	Thomas McCarthy.	James Kerrigan.
Timothy Keating.	John McLain.	Daniel E. McGill.
Patrick Lafferty.	Dennis Murray.	Michael Madigan.
Martin McLean.	Richard Power.	Arthur O'Brien.
James E. Maloney.	Thomas B. Shea.	Lawrence Purcell.
William Porter.	Mathew Byrnes.	Henry Schultz, Jr.
Barnet Sanders.		

*Ship Carpenters.*

Thomas F. Meagher.	Michael Carroll.	Abraham Van Blarcom.
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*Carpenters.*

Samuel Barclay.	James Sheridan.
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*Steam Engineer.*

Frederick Yud.

*Diver.*

Frank Newman.

*Stone Cutter.*

Thomas P. Dunn.

On motion, the following persons were discharged as Ship Carpenters, reappointed as Dock Builders and directed to be assigned to duty as such :

Edward Cavannagh.

Cornelius O'Connor.

Joseph McVey.

Matthew Drum.

Gavin Rutherford.

Jeremiah O'Connell.

Thomas Ferguson.

Peter Conway.

James O'Neil.

Patrick McAnally.

Michael Enright.

Bernard Sheridan.

Stephen O'Brien.

Thomas Floyd.

The following persons were appointed :

*Laborers.*

August Graf.

Charles E. Fullbrook.

Patrick Corey.

*Dock Builders.*

Joseph Tierney.

William Hart.

*Blacksmith.*

William T. Brown.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, December 14, 1893, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 7th instant were read and approved.

The following communications were tabled :

From the Pennsylvania Railroad Company—Requesting a lease of the bulkhead between Piers, new 28 and 29, North river, with permission to shed.

From the Department of Street Cleaning—Requesting permission to dump refuse behind the bulkheads at Twenty-fourth, Twenty-sixth, Thirtieth and Fifty-fourth streets, North river.

The reports of the Engineer-in-Chief on Secretary's Orders Nos. 13402, 13403 and 13425, respecting the dredging requested by the White Star Line, lessee, at Pier, new 38, the slip between Piers, new 38 and 39, and the slip between Piers, new 44 and 45, North river, were referred to the President.

The report of the Engineer-in-Chief on Secretary's Order No. 13418, recommending that arrangements be made for the use of a portion of the premises leased to John A. McCarthy between Piers 60 and 61, East river, was referred to the Treasurer.

The application of James Shewan for a lease of the new Pier foot of Stanton street, East river, was referred to the Treasurer.

The application of the Department of Street Cleaning for dredging at Canal street dump was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To extend their ferry-racks foot of Cortlandt street, North river, in accordance with plans to be approved by the Board.

New York Central and Hudson River Railroad Company—To dredge in front of the bulkhead north side of Pier "I," North river.

Tenth and Twenty-third Street Ferry Company—To drive some temporary fender piles at south side of pier foot of East Twenty-fourth street.

William P. Clyde & Co.—To repair Pier 29, East river.

John D. & Thomas E. Crimmins—To fill in behind the bulkhead wall at East One and Twenty-fifth street.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz. :

From the Finance Department :

1st. Submitting a letter from the Counsel to the Corporation approving transcripts of judgment in favor of Nathalie E. Baylies for \$22,720.69 ; Charles Ray King and others, \$45,048.31 ; Van Cortlandt Hamilton and others, \$22,721.74, and Mary Ray de Courval and others as Mayor, etc., for \$26,770.26, for certain bulkhead property on Thirteenth avenue, between eighth and Twenty-ninth streets, and a portion of the bulkhead between Twenty-ninth and streets, North river. The Chief Clerk directed to prepare requisition for \$119,285.53.

2d. In reference to a voucher in favor of Baetjer & Meyerstein for cement. The President in replying thereto approved.

From the Counsel to the Corporation :

1st. Submitting an offer of compromise of the claim against Thomas Patten, for arrearages of the land under water north of Seventy-fourth street, East river. The action of the President in replying thereto approved.

2d. Transmitting form of agreement for the purchase of bulkhead and wharf property on Twenty-third street from the estate of Moses Taylor and others, without his approval. Transmit said agreement when executed, to the Commissioners of the Sinking Fund, to the end that a public hearing be had as to the propriety of the City entering into said contract.

From the Department of Street Cleaning :

1st. Requesting dredging at the dump foot of East Thirty-eighth street. The Engineer in Chief directed to make requisition.

2d. Respecting the improper dumping of snow and dirt on piers and bulkheads.

From the Baltimore and Ohio Railroad Company—Stating that the work of building Pier, new 22, North river, and the adjoining bulkheads, will be shortly commenced.

From the Central Railroad Company of New Jersey—Accepting the terms of the resolution adopted November 29, 1893, and agreeing to allow the Department to enter upon their foot of Liberty street, North river, for the purpose of building a bulkhead-wall and Piers, new 11, North river, as soon as the necessary agreements are approved by the Commissioners of the Sinking Fund.

From Sanderson & Son—Requesting information respecting the new piers to be constructed on the North river between West Eleventh and Twenty-third streets. The Secretary directed to reply.



From John E. Walsh—Requesting the use of the derrick "City of New York," for the purpose unloading guns from the cars to the steamer at Jersey City. Permit granted, said applicant agreeing to pay the cost.

From the Pennsylvania Railroad Company :

1st. Respecting the building of a bulkhead-wall between the northerly line of Vestry and the southerly line of Watts streets.

On motion, the following resolution was adopted :

Resolved, That this Department will build the bulkhead or river-wall, in conformity with the plan adopted by the Department, in front of the property claimed to be owned by the Pennsylvania Railroad Company, from the point where the northerly line of Vestry street, if extended, would intersect the line of said bulkhead to the point where the southerly line of Watts street, if extended, would intersect the line of said bulkhead. The work of building said bulkhead to be done by the Department of Docks at the expense of said company, under an agreement to be hereafter made and approved by the Commissioners of the Sinking Fund, as provided in chapter 397 of the Laws of 1893.

2d. Requesting a ten years' lease, with privilege of renewal, of the bulkhead belonging to the City situated at the foot of Cortlandt street, bounded on the north by property of John H. Starin and on the south by property belonging to said company as successors of the Jersey Associates.

On motion, the following resolution was adopted :

Resolved, That, by virtue of the power and authority vested in this Board and in pursuance of the statutes in such cases made and provided, this Department hereby agrees to lease, assign and to farm-let to the Pennsylvania Railroad Company, all and singular, the wharfage which may arise, accrue, or become due, in the manner and at the rates prescribed by law, for the use and occupation of the bulkhead to be hereafter built in front of the premises, extending from a point twenty feet south of the northerly line of Cortlandt street, extended southerly a distance of twenty-three feet, for a period of ten years from the date when said bulkhead is completed and ready for occupation, with privilege of two renewals of ten years each. The rental for said lease and any renewals thereof to be hereafter determined by the Board of Docks. The said lease, or any renewal thereof, shall contain the usual terms and conditions as at present embodied in the lease of wharf property now used by this Department, provided, however, that this resolution shall not be binding, or of any force or effect, unless the said Pennsylvania Railroad Company shall, within ten days after the receipt hereof, accept in writing the terms and conditions contained herein, and agree to execute a lease when prepared and ready for execution.

On motion, the following resolution was adopted :

Resolved, That, by virtue of the power and authority vested in this Board and in pursuance of the statutes in such cases made and provided, this Department hereby agrees to lease, assign and to farm-let to John H. Starin all and singular the wharfage which may arise, accrue or become due in the manner and at the rates prescribed by law for the use and occupation of the bulkhead to be hereafter built in front of the premises now in possession of John H. Starin near the foot of

Cortlandt street and extending twenty feet immediately southerly from the water grant of Starin for a period of ten years from the date when said bulkhead is completed and ready for occupation, with privilege of two renewals of ten years each. The rental for said lease and renewals thereof to be hereafter determined by the Board of Docks. The said lease or renewal thereof shall contain the usual terms and conditions as at present embodied in the lease-wharf property now used by this Department. Provided, however, that this resolution shall not be binding or of any force or effect unless the said John H. Starin shall, within ten days after the receipt thereof, accept in writing the terms and conditions contained herein, and agree to execute lease when prepared and ready for execution.

From Dock Master Abeel—Reporting the arrest on the 7th instant of seven employees of the Broadway Railroad Company for dumping snow and mud on the bulkhead south of Pier, new 43, and north of Pier, new 44, North river. Notify said company to appear before the Board Thursday, December 21, 1893, at 11 o'clock A. M., and show cause why a penalty should not be imposed for violation of the rules and regulations of this Department.

From the Treasurer :

1st. Recommending that the lease to the Cunard Steamship Company of Pier, new 40, North river, commence May 1, 1893, and that the additional rental for eighteen days in April be remitted. Recommendation adopted.

2d. Recommending that the permit granted R. Haarman, August 10, 1893, for a float at One Hundred and Fifty-ninth street, Harlem river, be revoked. Permit revoked.

From the President—Recommending the removal of the street-cleaning dump from Rutgers street to Jackson street, East river. Recommendation adopted. The Treasurer requested to enter into negotiations for the purchase of the north half of Pier 54, East river.

The President, to whom was referred on the 7th instant the communication from the Engineer-in-Chief submitting a draft plan for the improvement of the water-front between the Battery and Wall street, East river, submitted the following report :

*To the Board of Docks :*

“ GENTLEMEN—I report that, in my opinion, the section of the plan for the improvement of the East river between the Battery and Grand street is defective in that the width of the slips is too narrow, and in that no pier should be less than eighty feet in width ; that the half piers proposed in the plan are amply large, and that the proposed width of South street is the width best adapted for commercial use.”

On motion, laid over.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending December 13, 1893, amounting to \$5,136.16, which was received and ordered to be spread in full on the minutes, as follows :

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
					1893.
Dec. 8	N. Y., L. E. & W. R. R. Co.	1 qrs. rent l. u. w. bet. 22d and 23d sts., N. R. ....	\$427 87		
" 9	John L. Fagan.....	Digging trench, S. of Pier, new 22, N. R. ....	131 64		
" 9	Popham & Co.....	1 qrs. rent, bhd. at 36th st., E. R. ....	65 00		
" 12	N. Y., N. H. & Hartford R. R. Co.....	" l. u. w. widening Pier 49, E. R. ....	39 81		
" 12	N. Y., N. H. & Hartford R. R. Co.....	" l. u. w. pfm. S. of Pier 50, E. R. ....	1,000 00		
" 12	N. Y., N. H. & Hartford R. R. Co.....	" l. u. w. bet. Piers, old 45 and new 36, E. R. ....	400 69		
" 12	George A. Woods.....	Wharfage District No. 2, N. R. ....	1,189 59		
" 12	Edward Abeel.....	" 4, " ....	193 81		
" 12	B. F. Kenney.....	" 6, " ....	178 66		
" 12	W. B. Osborne.....	" 8, " ....	131 07		
" 12	James J. Fleming.....	" 10, " ....	111 50		
" 12	Thomas P. Walsh.....	" 12, " ....	80 92		
" 12	H. A. Palmstine.....	" 1, E. R. ....	68 58		
" 12	Charles S. Coye.....	" 3, " ....	284 48		
" 12	James A. Monaghan.....	" 5, " ....	223 46		
" 12	Joseph F. Meehan.....	" 7, " ....	122 00		
" 12	Maurice Stack.....	" 9, " ....	247 67		
" 12	James W. Carson.....	" 11, " ....	101 83		
" 12	John J. Martin.....	" 13, " ....	137 58		
				\$5,136 16	Dec. 13
			\$5,136 16	\$5,136 16	

Respectfully submitted,

JAMES PHELAN, Treasurer.

The Auditing Committee presented an audit of thirteen bills or claims, amounting to \$134,333.32, which were approved and audited and ordered to be spread in full on the minutes as follows :

*Construction Account.*

Audit No.	Name.	Amount.
13795.	James Brand, cement.....	\$1,026 47
13796.	Greenlie, Wyatt & Co., iron work, etc.....	500 15
13797.	Babcock, Lary & Co., dredging.....	1,007 52

Audit No.	Name.	Amount.
13798.	Brown & Fleming, rip rap.....	\$755 65
13799.	Heipershausen Brothers, towing.....	280 00
13800.	H. P. Sheridan, rip rap.....	925 76
13801.	John Pierce, Estimate No. 2, Contract No. 455.....	10,132 24
		<u>          </u> \$14,62

General Repairs Account.

13802.	Thomas Kelly, services horse, cart, etc.....	\$210 00
13803.	Edward McKeever, services horse, cart, etc.....	210 00
		<u>          </u> 42

Acquired Property Account.

13804.	Charles Ray King and others, or Edward L. Baylies, attorney, for judgment, etc., for 101 feet 4 inches bulkhead between Twenty-eighth and Twenty-ninth streets, North river.....	\$45,833 08
13805.	Schuyler Van Courtlandt Hamilton and others, judgment, etc., for 50 feet 8 inches bulkhead between Twenty-eighth and Twenty-ninth streets, North river.....	23,114 13
13806.	Mary Ray de Courval and Mary Madeleine Isabel de Noailles, judgment, etc., 60 feet ½ inch bulkhead between Twenty-ninth and Thirtieth streets, North river.....	27,225 24
13807.	Nathalie E. Baylies, or Edmund L. Baylies, attorney, judgment, etc., 50 feet 8 inches bulkhead between Twenty-eighth and Twenty-ninth streets, North river.....	23,113 08
		<u>          </u> 119,28
Total.....		<u>          </u> \$134,33

Respectfully submitted,

J. SERGEANT CRAM, { Auditing  
ANDREW J. WHITE, { Committee.

The action of the President in transmitting the same, with requisitions for the amount, to Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated
13791.	Rip-rap stone.. ..	\$45
13792.	Iron-work.....	1,75
13793.	Spruce.....	2,16
13794.	Spruce .....	per M 2
13795.	Oak piles, etc.....	per lineal foot
13796.	Furniture.....	3
13797.	Dredging.....	56
13798.	Egg coal.....	92
13799.	Egg coal.....	15

No.	For What.	Estimated Cost.
Dredging	.....	\$843 75
Trinidad asphalt	.....	168 00
Repairs to transit	.....	95 00
Dredging	.....	1,000 00
Coal	.....	240 00
Kerosene oil	.....	33 00
Leveling rods	.....	40 00
Manila Rope	.....	623 00
Paints, etc	.....	45 05
Pitch	.....	50 00
Dredging	.....	225 00
Dredging	.....	4,687 50
Dredging	.....	1,000 00
Dredging	.....	3,237 50
Dredging	.....	195 00
Dredging	.....	4,687 50
Dredging	.....	395 00
Dredging	.....	1,480 00

The Treasurer reported that he had received estimates for furnishing the Department with cement, coal and iron-work :

1,000 Barrels Slow-setting Portland Cement.

Baetjer & Meyerstein	.....per barrel	\$1 95
Cement Company	.....“	1 97
Brand	.....“	2 03
Mill	.....“	2 55

About 225 Gross Tons Anthracite Egg Coal.

Duncan & Son	.....per ton	\$4 04
Milliken & Co	.....“	5 10

About 35 Gross Tons Anthracite Egg Coal.

Duncan & Son	.....per ton	\$4 04
Milliken & Co	.....“	5 10

Iron-work to Cover Sand and Stone Bins.

Milliken Bros	.....	\$1,640 00
Motley & Co	.....	1,810 00
Millie, Wyatt & Co	.....	1,950 00
Pollock	.....	1,910 00

The action of the Treasurer, in awarding the orders to Baetjer & Meyerstein, David Duncan and Milliken Bros., they being the lowest bidders, approved.

From the Engineer-in-Chief :

1st. Report for the week ending December 9, 1893.

2d. Reporting the non-commencement of repairs to Pier 39 and bulkhead between Pier 38 and 39, East river.

3d. Reporting repairs required to Pier 3, East river. Owners notified to repair.

4th. Reporting repairs required to Castle Garden wharf. The Department of Public Works requested to repair.

5th. Reporting repairs required to the Pier at West Forty-seventh street and the pavement of West Fifteenth street. The Engineer-in-Chief directed to repair.

6th. Recommending the removal of the telephone and telegraph cables in the slip south of "Washington Pier." Said companies notified to remove.

7th. Reporting a collision on the 7th inst. between the tug "Pier" and canal boat "Beaumont" at the foot of West Fifty-fifth street, and suggesting that a change be made in the captain of the tug. Notify the captain to appear before the Board Thursday, December 21, 1893.

8th. Report on Secretary's Order No. 13110, submitting plans, specifications and form of contract for repairing the Pier foot of West Forty-fourth street. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimate.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 12663. Construction of sewer outlet foot of West Thirtieth street.

No. 12884. Filling-in between Thirty-third and Thirty-fourth streets, Twelfth avenue.

No. 13080. Repairs to the ferry premises Union Ferry Company.

No. 13168. Repairs to the ferry premises Brooklyn and New York Ferry Company.

No. 13304. Paving on the bulkhead, between West Twenty-ninth and Thirtieth streets.

No. 13356. Repairs to the water-pipe underneath the crosswalk, at Pier, new 39, North river.

No. 13359. Dredging in front of the bulkhead, between Fifty-fourth and Fifty-fifth streets, East river.

No. 13370. Removal of the canal-boat "Mayor Hewitt," sunk at the bulkhead, between Ninety-fourth and Ninety-fifth streets, East river.

No. 13376. Dredging under the dumping-board, between Twenty-eighth and Twenty-ninth streets, East river.

No. 13380. Repairs to ferry-racks and driving-piles at Piers, old 14 and 15, North river.

No. 13389. Repairs to sewer, foot of Delancey street, East river.

No. 13396. Driving piles at the Pier foot of East Thirteenth street.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13187. Removing old sewer-box, foot of West Thirtieth street.

No. 13261. Repairs to upper dock, Randall's Island.

No. 13286. Repairs to Pier, new 15, North river.

Secretary reported the pay-rolls for the General Repairs and Construction force for the week December 8, 1893, amounting to \$12,869.75, had been approved and audited and transmitted Finance Department for payment.

Secretary reported that Crook & Perham had filed a bond indemnifying the City against accidents which may occur on Pier 54, East river, during its occupancy by the Empire Coal Co., under permit granted December 7, 1893.

Secretary reported that he had been served with an alternative writ of mandamus in the matter of the application of Charles Miller, Jr., for reinstatement as Recording Clerk, which he referred to the Counsel to the Corporation.

Secretary was directed to transmit to the Counsel to the Corporation the bill against the City Land and Improvement Company for nine months' rent of land under water in the vicinity of Rye Bay, Rye Bay Creek, Long Island Sound, amounting to \$52,125.

On motion, the resolution adopted October 27, 1892, for the purchase of the property between Pier, old 28 and 29, North river, was amended so as to read as follows :

Resolved, That, pursuant to section 715 of the New York City Consolidation Act of 1882, this Board enters into an agreement with Charles F. Choate and the Old Colony Steamboat Company for the purchase and acquisition, for the sum of five hundred dollars per front foot, of all riparian wharfage rights and all interests in or appurtenant to the following-described premises, to wit : Bulkhead between Pier, old 28, and Pier, old 29, North river, excepting so much thereof as lies between the point of intersection of the southerly side of Warren street extended with the said bulkhead and a point on said bulkhead twenty-six feet six inches south of said intersection, that is, all bulkhead measured along the westerly line of West street as established by law and running

The Board then met in executive session.

The communication from the Engineer-in-Chief, recommending the discharge of T Trainor and William Williams, Laborers, was ordered on file, and said Trainor and William charged.

On motion, the following resolutions were adopted :

Resolved, That the compensation of Edwin A. Gregory, Jr., Clerk, be and hereby is fixed at the rate of two thousand dollars per annum, to take effect January 1, 1894.

Resolved, That the compensation of Thomas P. T. Nash, Copyist from Manuscript, hereby is fixed at the rate of twelve hundred dollars per annum, to take effect January 1, subject to Civil Service rules.

Resolved, That the compensation of Edward Gottschall, Searcher of Water Grants, hereby is fixed at the rate of two thousand two hundred dollars per annum, to take effect January 1, 1894.

Thomas Morgan, Dock Builder, who was notified to appear before the Board on the 7th and show cause why he should not be discharged for having failed to procure dock builder and report for work when ordered by the Superintendent of Repairs, was present and hearing,

On motion, said Morgan was discharged.

The Secretary was directed to cause the name of Myles Cullen, Mason, deceased, to be removed from the list of employees.

The resignation of William E. Morgan, Laborer, was accepted.

The compensations of Cornelius McElligott, Robert Butler and Robert Heaton, Laborers, were fixed at the rate of \$15 per week.

The following person was discharged :

*Laborer.*

Thomas Flaherty.

*Dock Builder.*

John Dooling.

The following persons were appointed :

*Laborers.*

Hugh J. O'Neill.

William Thornton.

John Dooling.

Joseph H. Bailey.

John H. McGowan.

Thomas J. Morrison.

Joseph Bennett.

John Butler.

Michael O'Hara.

*Dock Builders.*

John F. Walsh.

John J. McMahon.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary



At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. 100, Battery place, Thursday, December 21, 1893, at 11 o'clock A. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The minutes of the meeting held on the 14th instant were read and approved.

A representative of the Pennsylvania Railroad Company was present and protested against the resolution adopted on the 14th instant, leasing twenty feet of bulkhead near the foot of Cortlandt Street, North river, to John H. Starin.

On motion, said resolution was suspended, and the Secretary directed to notify John H. Starin together with the representative of said company to appear before the Board, Thursday, December 21, 1893, at 11 o'clock A. M.

The Pennsylvania Railroad Company also requested permission to build the bulkhead or river wall in front of Desbrosses Street Ferry premises, and the Department to build the wall in front of said property, excepting the portion occupied by said ferry premises.

On motion, the following resolutions were adopted :

Resolved, That a permit is hereby granted the Pennsylvania Railroad Company to build so much of the bulkhead or river wall in accordance with the new plan already adopted and approved, as lies between the southerly and northerly boundary of the Desbrosses Street Ferry, said improvement to be made by the Pennsylvania Railroad Company, under the supervision of the Dock Department, at their own cost and expense, subject, however, to the approval of the Commissioners of the Sinking Fund, as provided by chapter 397 of the Laws of 1893.

Resolved, That this Department will build the bulkhead or river wall in conformity with the plan adopted by the Department in front of the property claimed to be owned by the Pennsylvania Railroad Company, from the point where the northerly line of Vestry street, if extended, would intersect the line of said bulkhead, to the point where the northerly line of Watts street, if extended, would intersect the line of said bulkhead or river wall ; except so much of the same as lies between the southerly and northerly boundary of the Desbrosses Street Ferry ; the work of building said bulkhead or river wall to be done by the Department of Docks at the expense of said company, under an agreement to be hereafter made and approved by the Commissioners of the Sinking Fund, as provided by chapter 397 of the Laws of 1893.

A representative of the Broadway and Seventh Avenue Railroad Company was present respecting the order of the 7th instant to show cause why a penalty should not be imposed for the dumping of snow and mud on the bulkhead south of Pier, new 42, and north of Pier, new 44, North river, by employees of said company. The Board being satisfied with the explanation made,

On motion, the matter was dismissed.

The following communications were referred to the Treasurer :

From Cantor & Van Schaick, Attorneys—Offering to sell to the city on behalf of their clients the property between Forty-seventh and Forty-eighth streets, beginning four hundred and seventy-five feet east of First avenue.

From the Knickerbocker Steamboat Company—Requesting permission to berth the steamer "Albany" at the Pier foot of West Fiftieth street, and four steamboats at the Pier foot of Fifty-fifth street, during the ensuing winter.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief and to be kept within the existing lines :

New York, Lake Erie and Western Railroad Company :

1st. To repair their ferry rack foot of Twenty-third street, North river.

2d. To drive spring piles at the Pier foot of West Forty-ninth street.

The following applications were granted :

John W. Flaherty—For an extension of time until December 20, 1893, to complete the bulkhead of the Pier foot of West Fifteenth street, under Contract No. 454.

F. V. Smith—For an extension of time until December 20, 1893, to complete the work of paving between Franklin and Duane streets, North river, under Contract No. 452.

H. M. Loud—For an extension of time until February 20, 1894, to complete the delivery of sawed yellow pine timber, under Contract No. 456, provided the written consent of the surety be filed in this Department.

The following applications were denied :

F. & M. Schaefer Brewing Company—To build a crib-bulkhead from the north side of Fifty-first street, a distance of about one hundred and twenty feet north.

Cornelius McMonagle—To occupy a portion of Pier, old 42, North river.

The following communications were received, read, and

On motion, ordered to be placed on file :

From the Mayor's Office—Enclosing a notice from the Department of Buildings, respecting certain work at the "Washington Pier." Transmit said notice to the International Navigation Company.

From the Counsel to the Corporation :

1st. Requesting requisitions for expenses incurred in the examination of the title to the following premises :

Bulkhead rights seventy-five feet next north of Clarkson street, involved in the suit of *Id. Lord vs. The Mayor*, \$13.80.

Bulkhead between Twenty-eighth and Twenty-ninth streets, North river, formerly owned by the Ray estate, \$368.93.

Bulkhead property commencing one hundred feet north of Spring street and extending north-ly forty feet, involved in the suit of Walter F. Kingsland vs. The Mayor, \$272.05.

The Chief Clerk directed to make requisition for the above amounts.

2d. Respecting the settlement of the claim against Thomas Patten for rent of land under water north of Seventy-fifth street, East river. The Secretary directed to reply.

3d. Respecting the authority of the Department to rent the derrick "City of New York." The Secretary directed to reply.

4th. Transmitting quadruplicate copies of agreement for the purchase of certain bulkhead lots between Piers, old 28 and 29, North river, from the Old Colony Steamboat Company, with its approval as to form indorsed thereon. The officers of the Board authorized to execute.

From the Department of Street Cleaning—Protesting against the removal of the dump from Rutgers to Jackson street, East river, and suggesting the placing of the same foot of Market street. Notify said Department that this Board, under the provisions of chapter 470 of the Laws of 1885, is prohibited from locating a dump thereat.

From the Department of Public Works—Requesting to be informed when the Board intends building a new pier foot of West Twenty-third street. Notify said Department that the Board is considering the advisability of its construction.

From the Rapid Transit Railroad Commission—Requesting blue prints of West street, from the Battery to West Eleventh street, and South street, from South Ferry to Catharine Ferry. The Engineer-in-Chief directed to furnish same.

From the Morris & Cumings Dredging Company—Amending their proposition of the 16th ultimo, by including therein a price for the removal of piles and pile-points. Proposition accepted.

From Simon Stevens, attorney—Respecting the purchase of the property on South street in the vicinity of Old Slip. The Secretary directed to transmit copy to the Commissioners of the Sinking Fund, together with agreements for the purchase thereof when executed.

From Giovan B. Galotti—Protesting against the erection of a dump foot of East One Hundred and Tenth street.

On motion, the permit granted John Anton, November 29, 1893, was revoked.

From Richard Somerville—Stating that George Grossman claims the exclusive privilege of unloading boats at the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river. Notify said party that no such privilege has been granted.

From the President :

1st. Recommending the extension of Pier, new 43, North river, when said pier is surrendered by the present lessee. Recommendation adopted.

2d. Recommending that no further dredging be done at present at Piers, new 44 and 45, North river. Recommendation adopted.

3d. Recommending that the offer of the owners to sell the property between Fifty-first and Fifty-second streets, North river, west of Twelfth avenue, for \$550 per front foot, be accepted.

On motion, the owners of said property were requested to submit a written offer.

From the Engineer-in-Chief :

1st. Report for the week ending December 16, 1893.

2d. Reporting the completion of building a new pier foot of West Fifteenth street, under Contract No. 454, and the completion of the work of paving between Franklin and Duane streets, North river, under Contract No. 452.

3d. Submitting specifications and form of contract for 8,000 barrels of Portland Cement, Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

4th. Reporting damage on the 15th instant to Pier, new 19, North river, by the ferry-boat "Susquehanna." The Engineer-in-Chief directed to repair and report the cost for collection from the New York, Lake Erie & Western Railroad Company.

5th. Recommending the building of an incline from the pavement to the Pier at West Eleventh street. Recommendation adopted.

6th. Reporting the non removal of the fence at One Hundred and Thirty-first street and Irvington avenue, and the filling in thereat by Henry Hart without a permit. Notify said Hart to appear before the Board Thursday, December 28, 1893, and show cause why said fence should be removed and a penalty imposed for violation of the rules and regulations of this Department in filling in thereat.

The Engineer-in-Chief submitted the following reports on Secretary's orders :

No. 13432. As to the dredging required at the dump on Pier, old 42, North river.

No. 13413. As to the dredging required at the Pier foot of West One Hundred and Fifty-eighth street.

No. 13419. Recommending that the lessees be directed to repair the bulkhead adjoining Pier new 36, North river. Recommendation adopted.

No. 13412. As to the dredging required at the bulkhead foot of West Ninety-sixth street. Engineer-in-Chief directed to make requisition.

No. 13360. As to the construction of a street along Sherman's creek and the erection of a wharf. The Engineer-in-Chief directed to prepare plans for the improvement of that portion of the wharf front.

No. 12338. Submitting the cost of removing a sunken canal-boat north of Pier, new 21, North river. The Treasurer authorized to collect.

No. 13058. Submitting cost of repairs to scow "R," damaged by the tug "William H. Vanderbilt." The Treasurer authorized to collect from John H. Starin.

No. 13379. As to the application of the Consolidated Gas Company for a yearly permit to pair and relay gas-pipe on the North river, between Twenty-third and Fifty-seventh streets.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the Consolidated Gas Company to repair and relay their gas-pipes on land under the jurisdiction of the Department of Docks, for a period of three months, provided that said Company notify the Engineer-in-Chief of this Department when they wish the pavement taken up and trenches excavated, and also agree to pay promptly to the Treasurer, upon presentation of a bill for the same, the cost of such work.

On motion, the following preambles and resolutions were adopted :

Whereas, This Board on the 29th day of November, 1893, adopted preambles and resolutions offering to purchase in the name and for the benefit of the Corporation of the City of New York all riparian and wharfage rights, and all interests in or appurtenant to the bulkhead on the North River, extending one hundred feet south of Perry street as extended ; and

Whereas, The said offer was on the 1st day of December, 1893, served upon the Farmers' Loan and Trust Company, trustees of the estate of Charles S. Miller, deceased ; and

Whereas, Said offer has not been accepted by said owners although the time to do so has expired ; and

Whereas, It is deemed that no price can be agreed upon between the owners of said property and this Department for the purchase thereof ; therefore, be it

Resolved, That the Counsel to the Corporation be and is hereby requested to institute legal proceedings for the acquisition of said property, rights, terms, easements and privileges, for the Mayor, Aldermen and Commonalty of the City of New York, as required by law in such cases made and provided.

The Secretary reported that the pay-rolls for the general repairs and construction force for the week ending December 15, 1893, amounting to \$12,278.05, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary reported that the old material sold this date, pursuant to the resolution adopted December 7, 1893, realized the sum of \$104.25.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending December 20, 1893, amounting to \$12,131.79, which was received and ordered to be spread in full on the minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893					1893.
Dec. 13	Greenpoint Ferry Co.....	1 qrs. rent, bhd. S. 24th street, E. R..	\$1,025 00		
" 13	International Nav. Co.....	Taking up pavement Pier, new 14, N. R.....	90 71		
" 13	W. R. Grace & Co. ....	Testing cement.....	10 00		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D Dr n
1893.					
Dec. 14	G. W. Plunkett & Smith.....	1 qrs. rent, Pier at 51st street, N. R...	\$975 00		
" 14	Prov. and Stonington S.S. Co.	" Pier, new 36, N. R.....	7,625 00		
" 19	L. Edward Muller.....	1 mos. rent, bhd. S. Pier, new 39, N. R.	125 00		
" 19	George A. Woods.....	Wharfage, District No. 2, N. R.....	258 03		
" 19	Edward Abeel.....	" 4, " .....	425 74		
" 19	B. F. Kenney.....	" 6, " .....	178 21		
" 19	W. B. Osborne.....	" 8, " .....	104 10		
" 19	James J. Fleming....	" 10, " .....	102 96		
" 19	Thomas P. Walsh.....	" 12, " .....	45 56		
" 19	H. A. Palmstine.....	" 1, E. R.....	125 99		
" 19	Charles S. Coye.....	" 3, " .....	350 55		
" 19	James A. Monaghan.....	" 5, " .....	172 76		
" 19	Joseph F. Meehan.....	" 7, " .....	56 63		
" 19	Maurice Stack.....	" 9, " .....	193 96		
" 19	James W. Carson....	" 11, " .....	57 66		
" 19	John J. Martin.....	" 13, " .....	168 93		
				\$12,131 79	De
			\$12,131 79	\$12,131 79	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of sixteen bills or claims, amounting to \$15,326. which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.

Audit No.	Name.	Amount.
13808.	James Symington, Estimate No. 2, Contract No. 457.....	\$11,227 36
13809.	Brown & Fleming, sand.....	952 96
13810.	Graves & Steers, timber.....	558 66
13811.	Alfred J. Murray, piles.....	570 00
13812.	The Metropolitan Telephone and Telegraph Company, telephone service.....	213 45
13813.	F. W. Devoe and C. T. Reynolds Company, paper, etc.....	49 40
13814.	Sperry & Popham Coal Company, coal.....	257 50
13815.	C. F. Harris, Agent, towing.....	294 59
13816.	The Fairbanks Company, scales.....	184 20

Name.	Amount.
ull, Grippen & Co., stoves, etc.....	\$50 00
. F. Hodsdon, lumber.....	15 90
. Henry Haggerty, oil.....	79 76
idgerwood Manufacturing Company, repairs, etc.....	30 00
McNab and Harlin Manufacturing Company, pipe, etc.....	88 04
	<hr/> \$14,571 82

Acquired Property.

William H. Clark, Counsel to the Corporation, searching fees north of Spring street, north of Clarkson street and between Twenty-eighth and Thirtieth streets, North river.....	\$504 78
Robert L. Wensley, examining titles of bulkhead north of Spring street .....	250 00
	<hr/> \$754 78
	<hr/> <hr/> \$15,326 60

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
JAMES J. PHELAN. } Committee.

action of the President in transmitting the same with requisitions for the amount to the Department for payment, approved.

following requisitions were passed :

No.	For What.	Estimated Cost.
	Hackmatock knees, etc.....	\$90 00
	Yellow pine timber.....per M	30 00
	Services of tugs.....per hour	5 00
	Hoisting rope (steel).....	13 50
	Blacksmith bellows.....	28 00
	Rip-rap stone.....per cubic yard	40
	Cut nails .....	40 00
	Yellow pine and spruce.....	178 00
	Cotton hose, rubber lined.....	50 00
	Stationery, etc.....	289 48
	White oak piles.....per lineal foot	25
	Steam fittings, etc.....	45 00
	Iron work. ....	425 00
	Testing iron.....	48 00
on No.	Stationery.....	

The Treasurer reported that he had received estimates for furnishing the Department with spruce plank, manila rope, white oak piles and fenders, as follows :

*About 103,000 Feet B. M. of Spruce Plank.*

The East River Mill and Lumber Company.....	per M	\$21 C
Wood & Robinson.....	"	21 C
Abraham Steers.....	"	21 C
William Adams & Co.....	"	21 C
Bell Brothers.....	"	21 C

*28 Sound and Straight White Oak Piles, 55 Feet and 60 Feet, and 134 White Oak Fenders.*

William Taylor.....	\$841 E
Alfred J. Murray.....	847 A
Graves & Steers .....	22 cents per lineal foot and \$34.90 per M

*About 8,200 Pounds Manila Rope.*

Cavanagh & Thompson.....	\$594 E
Alexander Pollock.....	598 C
DeGrauw, Aymar & Co.....	602 E
The John Good Cordage and Machine Company.....	606 E
Travers Brothers.....	633 C

The action of the Treasurer in awarding the orders to The East River Mill and Lumber Company, William Taylor and Cavanagh & Thompson, they being the lowest bidders, approved

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Captain Wilson of the tug " Pier " was present in response to the order of the 14th instant respecting collisions with the Department tugs during the past two years, and made an explanation to the Board, upon the conclusion of which,

On motion, decision was reserved.

The communication from Francis O'Neill, Leveller, requesting an increase of salary, was tabled for one week.

The following communications were received, read, and

On motion, ordered to be placed on file :

From Louis S. Kellogg, Clerk—Requesting an increase of salary.



From W. W. Maclay, First Assistant Engineer—Requesting that the leave of absence granted June 8, 1893, be extended until July 1, 1894. Application denied.

From the Engineer-in-Chief :

1st. Recommending that James Doran, Laborer, be discharged.

On motion, said Doran was discharged.

2d. Recommending the discharge of Edward Atwell Rigger.

On motion, said Atwell was directed to appear before the Board, Thursday, December 28, 1893, at 11 o'clock A. M., and show cause why he should not be discharged for negligence in causing damage to the 12-ton derrick No. 1.

On motion, the resolution adopted on the 14th instant respecting the increase of salary awarded the Searcher of Water Grants was amended so as to read as follows :

Resolved, That the compensation of Edward Gottschall, Searcher of Water Grants, be and hereby is fixed at the rate of two hundred dollars per month, to take effect January 1, 1894.

The following persons were appointed :

*Laborers.*

John McGuire, No. 2.

Richard McCann.

*Dock Builder.*

Patrick Doyle.

*Mason.*

Thomas Crosby.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the 1 Pier "A," Battery place, Thursday, December 28, 1893, at 11 o'clock A. M.

Present—Commissioner Phelan.

" " White.

Absent—President Cram.

The minutes of the meeting held on the 21st instant were read and approved.

A representative of Henry Hart was present respecting the order of the 3d inst., to show why a penalty should not be imposed for filling in foot of Lexington avenue and One Hundred Thirty-first street, Harlem river.

On motion, the order of April 30, 1891, was revoked, and the said Hart directed to close the fence from its present termination down to low-water mark.

The report of the Engineer-in-Chief on Secretary's Order No. 13451, submitting specifications and form of contract as modified in accordance with the recommendation of the President the 21st inst., was tabled.

The following communications were referred to the Treasurer :

From William F. Cunningham—Offering to purchase the right to fill in between One Hundred and First and One Hundred and Fourth streets, East river.

From Thomas J. Cummins, manager—To furnish the weekly circular of Albany news during the legislative session.

From the Engineer-in Chief—Requesting instructions as to the additional filling-in required West Forty-fourth street.

The following communications were referred to the Engineer-in-Chief to examine and report :

From Moses Engle—Requesting an extension of time to complete the removal of Pier, on North river, under Contract No. 461.

From Matthew Baird—Requesting an extension of time for the completion of the delivery of granite for bulkhead or river wall under Contract No. 412.

From the Analytical and Assay Laboratories of Dr. Gideon E. Moore—To make tests of age, hawsers, cables, etc.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Central Railroad Company of New Jersey, lessee—To make improvements to the Pier foot of West Fifteenth street.

E. M. Van Tassel Elevating Company—To change the grade of the bulkhead foot of West Eleventh street.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz. :

From the Department of Taxes and Assessments :

1st. Requesting information as to the ownership of the Piers foot of East Ninety-fourth, Ninety-fifth and One Hundred and Nineteenth streets, Harlem river. Notify the Department that the said piers are the property of the City.

2d. Requesting a copy of the volume giving locations and sizes of piers and bulkheads, together with the names of the owners. The Secretary directed to reply.

From the Department of Street Cleaning :

1st. Requesting the removal of two loose piles at West Nineteenth street dump. The Engineer-in-Chief directed to remove.

2d. Requesting dredging at the dumps foot of Thirtieth and Seventy-ninth streets, North river. The Engineer-in-Chief directed to make requisition.

From the Department of Buildings—Respecting certain alterations without permit to a structure on the Pier foot of East Twenty-fifth street. The Secretary directed to apply for a permit.

From John H. Starin and the sureties to the lease of Pier, new 58, North river—Consenting to the sub-letting of said pier to the Delaware, Lackawanna and Western Railroad Company, in accordance with the resolution adopted November 9, 1893.

From the East Bay Land and Improvement Company—Respecting the bill rendered for nine months rent of land under water in the vicinity of Leggett's Creek. Transmit copy to the Counsel to the Corporation.

From Robert Halstead—Complaining of a scow loaded with manure foot of East One Hundred and Tenth street. Notify John Anton to remove said scow at once.

From Henry Keteltas—Requesting an offer for his bulkhead in front of Corlears Park, East river. Notify him that the Department does not desire to acquire the property.

From H. M. Loud—Requesting a remission of wharfage charged vessels delivering timber to the Department under Contract No. 456. Application granted.

From James Symington—Requesting an extension of time until January 20, 1894, to complete the deliveries of granite for bulkhead or river wall under Contract No. 457. Application granted, provided the consent of the sureties in writing is filed in this Department.

From the F. & M. Schaefer Brewing Company—Renewing their application for permission to build a crib extending about 120 feet north of the northerly line of Fifty-first street, East river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the F. & M. Schaefer Brewing Company to build a small crib work between Fifty-first and Fifty-second streets, on the East river, in accordance with their application dated December 22, 1893, and under the supervision of the Engineer-in-Chief, on condition that the same is temporary only and shall remain only during the pleasure of the Board, and that said company file an agreement in writing to remove said crib-work within ten days whenever directed to do so by the Board, and agree to pay as compensation for said privilege the sum of one dollar per month, payable at the end of each month, to the Dock Master of the district.

From the Fulton Market Fish Mongers' Association—Requesting permission to make alterations to the market building foot of Fulton street, East river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the Fulton Market Fish Mongers' Association to make alterations to the market buildings between Piers 22 and 23, East river, by substituting for the wooden posts and joists iron posts and joists, and for the present wooden doors sliding iron shutters, the work to be done under the supervision of the Engineer-in-Chief, subject, however, to the approval of the Commissioners of the Sinking Fund.

From David McClure, attorney—Agreeing to sell to the City the bulkhead and water rights on West street, extending southerly from the southerly line of Perry street a distance of about 100 feet for the sum of \$500 per running foot.

On motion, the following preambles and resolution were adopted :

Whereas, David McClure is the attorney for the Farmers' Loan and Trust Company, trustees of the estate of George S. Miller, deceased, owners of the bulkhead and water-rights opposite the premises on West street, extending southerly from the southerly line of Perry street a distance of one hundred feet, together with all the rights of wharfage, cranage, advantages, emoluments, and appurtenances connected therewith ; and

Whereas, The said David McClure has agreed to sell to the City the aforesaid bulkhead and water-rights for the sum of five hundred dollars per running foot front on West street

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water rights for the sum of five hundred dollars per lineal foot measured on the bulkhead line, provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges pertaining thereto or connected therewith

be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty of the City of New York, free and clear from all incumbrances, subject, however, to the approval of the Commissioners of the Sinking Fund.

From Jeremiah Pangburn—Agreeing to sell to the City 89 feet 6 inches of bulkhead between Perry and West Eleventh streets, North river, for \$500 per front foot.

On motion, the following preambles and resolution were adopted :

Whereas, Jeremiah Pangburn is the agent of the owners of the bulkhead and water-rights opposite the premises on West street, extending northerly from the northerly line of Perry street a distance of eighty-nine feet six inches, more or less, together with all the rights of wharfage, crannage, wharvages, emoluments and appurtenances connected therewith ; and

Whereas, The said Jeremiah Pangburn has agreed to sell to the City the aforesaid bulkhead and water-rights for the sum of five hundred dollars per running foot front on West street ;

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water-rights for the sum of five hundred dollars per lineal foot measured on the bulkhead line, provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges pertaining thereto or connected therewith can be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty of the City of New York, free and clear from all incumbrances, subject, however, to the approval of the Commissioners of the Sinking Fund.

From the Treasurer :

1st. Reporting that he has been unable to ascertain the name of the owner or owners of the small-boat sunk north of Pier, new 22, North river, or to collect the cost of removal of said boat, as requested, on the 21st instant.

2d. Recommending that the permit granted November 16, 1893, to John W. Sullivan for a berth for a dry-dock on the south side of Pier 54, East river, be revoked, as said Sullivan refuses to accept the price named. Permit revoked.

3d. Recommending that the compensation to be charged the Knickerbocker Steamboat Company for a berth at the Pier foot of West Fiftieth street for the steamer "Albany" be fixed at the rate of \$2.50 per day, and for each of the small boats at the Pier foot of West Fiftieth street the rate of seventy-five cents per day each, Sundays included, payable at the end of each week to the Dock Master.

From Dock Master Martin—Reporting a steam-hoisting derrick on the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river, without a permit. Notify George Grossman to obtain a permit.

From Dock Master Coye—Reporting repairs required to the pavement in front of Pier 18, North river. The Engineer-in-Chief directed to repair if necessary.

From the Engineer-in-Chief :

1st. Report for the week ending December 27, 1893.

2d. Reporting the completion of the work of building a new pier near the foot of Canal street North river, under Contract No. 434. Notify the Dock Master to collect wharfage.

3d. Partial Report on Secretary's Order No. 13108—As to the dredging done in the half a adjoining the south side of Pier, new 41, North river. Notify lessee to complete the work dredging thereat to a uniform depth.

4th. Submitting specifications and form of contract for supplying about 1,200 tons of anthracite coal. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13303. Submitting cost of repairs to the Pier at One Hundred and Thirty-ninth street Harlem river, damaged by the barge "American Eagle." The Treasurer authorized to collect.

No. 13315. Submitting the cost of repairing the pavement on the new-made land at Pier, new 39, North river. The Treasurer authorized to collect.

No. 13289. Submitting cost of taking up and relaying pavement at Pier, new 21, North river. The Treasurer authorized to collect.

No. 13344. Submitting cost of taking up and relaying pavement at Pier, new 42, North river. The Treasurer authorized to collect.

The Engineer-in-Chief reported the following work had been superintended under Secretary's Orders :

No. 13223. Erection of portable hopper on the bulkhead between Piers, new 38 and 39, North river.

No. 13240. Repairs to Pier at West Sixteenth street.

No. 13036. Depositing rip-rap stone in front of the Battery sea-wall by the Department of Public Parks.

No. 13313. Dredging at the bulkhead between Piers 14 and 15, East river.

No. 13314. Dredging between Piers 14 and 15, East river.

No. 13417. Dredging at the west side of Pier 43, East river.

No. 13369. Removal of boiler from bulkhead at Pier 53, East river.

No. 13375. Repairs to Pier at East Nineteenth street.

No. 13381. Driving fender-piles at the bulkhead between Forty-seventh and Forty-eighth streets, East river.

No. 13420. Erection of a coal-bin on the Pier foot of West Fifty-second street.

No. 13426. Renewal of fender-piles at Pier, old 29, East river.

No. 13444. Driving fender-piles at Pier foot of West Forty-ninth street.

Engineer-in-Chief reported that the following work had been done by the force of the  
ent under Secretary's Orders :

13305. Fencing off Pier, old 54, East river.

13332. Repairs to Pier 44, East river.

13338. Repairs to Pier, new 32, East river.

13354. Repairs to temporary Pier at One Hundred and Thirty-eighth street, Long Island

13371. Repairs to west side of Pier 19, East river.

13383. Repairs to upper Pier at East Eighty-sixth street.

13404. Repairs to Pier west side of Ward's Island.

13422. Removal of fence from Pier 54, East river.

: Engineer-in-Chief returned Secretary's Order No . 12646.

: Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending  
er 27, 1893, amounting to \$15,428.11, which was received and ordered to be spread  
n the minutes, as follows :

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOS- ITED.
				1893.
Prov. and Stonington S. S. Co.	1 mos. rent, Pier 29, N. R.....	\$2,291 67		
"	" l. u. w. pfm. S. Pier 29, N. R.....	13 33		
Citizens' Steamboat Co.....	1 qrs. rent, Pier, new 46, N. R.....	8,379 35		
Joseph Cornell.....	" Pier foot of Jane st., N. R.	869 80		
" .....	" south side Pier at W. 11th st., N. R.....	475 00		
Catskill and N. Y. S. B. Co....	" Pier at W. 11th st., N. R..	875 00		
John Kress Brewing Co.....	" bhd. S. 55th st., E. R.....	37 50		
Kane & Wright.....	" bhd. pfm. at 105th st , E. R.	100 00		
Owens & Co.....	" bhd. pfm. at 47th st., E. R.	137 50		
Standard Gas-light Co.....	" bhd. S. of 115th st., H. R.	150 00		
Natl. Transit Co.....	" l. u. w. pfm. N. of 97th st., H. R .....	25 00		
West Shore R. R. Co.....	Repairs to Pier 22, N. R.....	131 04		
George A. Woods.....	Wharfage District No. 2, N. R.....	117 60		
Edward Abeel.....	" 4, " .....	186 03		
B F. Kenney.....	" 6, " .....	79 88		
W. B Osborne.....	" 8, " .....	341 59		
James J. Fleming.....	" 10, " .....	150 40		
Thomas P. Walsh.....	" 12, " .....	30 45		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D Du m
1893.					
Dec. 26	H. A. Palmstine.....	Wharfage, District No. 1, E. R.....	\$100 95		
" 26	Charles S. Coye.....	" 3, " .....	342 04		
" 26	James A. Monaghan.....	" 5, " .....	157 40		
" 26	Joseph F. Meehan.....	" 7, " .....	142 85		
" 26	Maurice Stack.....	" 9, " .....	118 34		
" 26	James W. Carson.....	" 11, " .....	51 00		
" 26	John J. Martin. ....	" 13, " .....	124 39		
				\$15,428 11	De
			\$15,428 11	\$15,428 11	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of eleven bills or claims, amounting \$23,811.08, which were approved and audited and ordered to be spread in full on the minutes follows :

Audit No.	Name.	Construction Account.	Amount.
13824.	H. M. Loud, Estimate No. 2, Contract No. 456.....		\$3,350 89
13825.	Babcock, Lary & Co., dredging.....		1,307 25
13826.	Leonard & Ellis, oil.....		103 50
13827.	P. W. Vallely, desk, etc.....		33 00
13828.	H. W. Johns Manufacturing Company, felt covering.....		120 24
13829.	Heipershausen Brothers, repairing boiler, etc.....		800 00
13830.	Sperry & Popham Coal Company, coal ..		262 50
			<u>\$5,977</u>

General Repairs Account.		
13831.	Dennis J. Trolan, services horse, cart, etc.....	\$106 75
13832.	The East River Mill and Lumber Company, spruce.....	840 00
13833.	Morris & Cumings Dredging Company, dredging... ..	3,175 91
		<u>4,122</u>

Construction Account.		
13834.	James D. Leary, repairs to derrick, etc.....	13,711
	Total... ..	<u>\$23,811</u>

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to Finance Department for payment, approved.



The following requisitions were passed :

Requisition No.	For What.	Estimated Cost.
132.	Iron tests.....	\$42 00
133.	Spruce .....per M	21 00
134.	Vulcanized yellow pine.....	1,151 42
135.	Vulcanized yellow pine.....	149 03
136.	Dredging.....	187 50
137.	Drawing materials.....	146 35
138.	Repairs to testing machine.....	35 00
139.	Dredging.....	75 00
140.	Spruce.....	122 00
141.	Dredging.....	187 50

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the month ending December 22, 1893, amounting to \$13,122.40, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Edward Atwell, Rigger, was present in response to the order of the 21st instant, to appear and show cause why he should not be discharged for negligently causing damage to the 12-ton derrick. After a hearing it was directed that said Atwell be reprimanded.

The communication from Francis O'Neill, Leveler, requesting an increase of salary, was taken from the table, placed on file, and the following resolution adopted :

Resolved, That the compensation of Francis O'Neill, Leveler, be and hereby is fixed at the rate of twelve hundred dollars per annum, to take effect January 1, 1894, subject to Civil Service rules.

The communication from the New York City Civil Service Boards, submitting a list of persons eligible for appointment as Pile Driving Enginemen was placed on file and the following resolution adopted :

Resolved, That Thomas J. Joyce, who has been certified to by the Civil Service Boards as eligible for such position, be and hereby is appointed a Pile Driving Engineman in the service of this Department, with compensation at the rate of thirty-five cents per hour.

On motion, the compensation of Robert E. Reilly, Laborer, was fixed at the rate of \$7.50 per month, to take effect January 1, 1894.

On motion, the Secretary was directed to notify Charles Wilson, Captain of the tug "P" that as a result of the hearing on the 21st instant, he be reprimanded.

On motion, the compensation of James Denny, Foreman Dock Builder, was fixed at the rate of forty cents per hour.

Bernard Conaty, Laborer, was discharged.

The following persons were appointed :

*Laborers.*

James Kane.

James Wilson.

*Dock Builder.*

Timothy Keating.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. 1, Battery place, Thursday, January 4, 1894, at 11 o'clock A. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The minutes of the meeting held on the 28th ultimo were read and approved.

Simon Sterne, attorney for the Hudson Tunnel Railway Company, was present and requested additional extension of time of the order of September 8, 1893, revoking the permit to occupy the reclaimed land south of Pier, new 42, North river.

On motion, the time was extended until February 1, 1894.

William H. Burke was present and advocated a reconsideration of the revocation of the permit granted John Anton, November 29, 1893, for a dump at One Hundred and Tenth street, East river, and submitted a petition favoring such action.

John F. McIntyre, attorney, appeared in opposition and filed a petition protesting against said revocation.

The Engineer-in-Chief, to whom was referred on the 28th ultimo the application of Moses Engle for an extension of time to complete the work of removal of Pier, old 29, North river, under Contract No. 467, reported on Secretary's Order No. 13463 suggesting the propriety of notifying said contractor to complete the work as quickly as possible.

The following communications were referred to the Treasurer :

From Henry Keteltas—Requesting a valuation of his property foot of Corlears street, East river.

From P. Haag—Respecting the sale to the City of property between Ninetieth and Ninety-first streets, East river.

The following communications were received, read, and

On motion, ordered to be placed on file.

From his Honor the Mayor—Requesting the Board to take action to relieve the poor and distressed of the City.

On motion, the Secretary was appointed Treasurer of the fund and authorized to receive contributions from the employees.

From the Department of Public Works—Respecting the necessity of raising the bulkhead foot of One Hundred and Thirty-seventh street, Harlem river, to the grade of said street.

On motion, Bernard Campbell, lessee, was notified to do the necessary work under the supervision of the Engineer-in-Chief.

From the Department of Taxes and Assessments—Requesting to be informed of the dates of the deeds to the City of the property near the foot of Jay street. Notify said Department that they are in the custody of the Comptroller.

From the Health Department—Requesting the Board to change the location of a float at North Brothers' Island and the runway and float foot of East One Hundred and Thirty-eighth street. The Engineer-in-Chief directed to do the work, if necessary.

From the Commonwealth Ice Company—Requesting permission to repair weigh-house foot of West Eleventh street. Permit granted, the work to be done under the supervision of the Engineer-in-Chief.

From William F. Cunningham—Offering to purchase the right to fill in between Twenty-fifth and Twenty-sixth streets, East river. Notify said applicant that the matter has been disposed of.

From Benjamin Griggs—Requesting a berth for the steamer "W. V. Wilson" for the ensuing summer, on the south side of Pier, old 57, North river. Permit granted to continue only during the pleasure of the Board.

From the P. Divver Association—Requesting a permit for derrick on the north side of Pier, new 29, East river, for the purpose of delivering coal free of charge to the poor. Application granted, provided the Dockmaster can furnish the necessary space.

From H. M. Loud—Requesting a remission of wharfage on schooners delivering timber to the Department under Contract No. 456. Application granted.

From the Central Railroad Company of New Jersey, lessee—Agreeing to pay for the use of the Pier foot of West Fifteenth street from December 21, 1893, to January 1, 1894, and requesting that the lease of said Pier commence on the latter date. Application granted.

From William D. Wheelwright and Charles R. Hewitt—Requesting an extension of time to complete the delivery of sawed yellow pine timber under Contract No. 448. Time extended as requested, provided the written consent of the sureties is filed in this office.

From Colin McLean—Requesting an extension of time to complete the work of building a crib bulkhead on the westerly side of Riker's Island. Upon the recommendation of the Engineer-in-Chief, the time was extended until February 1, 1894, provided the written consent of the sureties is filed in this office.

From the Hoboken Ferry Company :

1st. Requesting permission to extend its ferry rack at Christopher street out to the pier-head line of 1890. Permit granted, work to be done under the supervision of the Engineer-in-Chief.

2d. Requesting the Department to do certain work in connection with the extension of Pier, new 43, North river, in accordance with plan submitted, and agreeing to pay the cost thereof. The Engineer-in-Chief directed to do the work and report the cost for collection.

**From the Treasurer :**

1st. Recommending that the offer of Thomas J. Cummins, of the 28th ultimo, to furnish a weekly circular of Albany news, be declined. Recommendation adopted.

2d. Reporting that arrangements have been made with Thomas Smith to do the required filling in to the extent of 10,000 loads at Forty-fourth street, North river, for the sum of \$1,000. Report approved.

**From the Engineer-in-Chief :**

1st. Report for the week ending December 30, 1893.

2d. Submitting cost of extension to Pier, new 38, North river.

3d. Reporting cost of extension to Pier, new 36, North river. The Treasurer authorized to collect from the Providence and Stonington Steamship Company.

4th. Respecting a bill from James D. Leary for extra material furnished in repairing the derrick "City of New York." Referred to the Chief Clerk.

5th. Reporting a sunken canal-boat in the slip north of West Fifty-third street. The Engineer-in-Chief directed to remove and report cost for collection.

6th. Reporting the non-removal of the stable under the dumping-board foot of West Sixteenth street, in accordance with the order of October 4, 1893. The lessee directed to remove at once.

7th. Approving plans for the erection of a shed on the Pier foot of West Fifteenth street by the Central Railroad Company of New Jersey, lessee.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the Central Railroad Company of New Jersey to erect and maintain a shed on the Pier foot of West Fifteenth street in accordance with the terms of the lease of said Pier ; said shed to be erected in accordance with the laws and regulations in such cases made and provided and in conformity with the plans and specifications submitted therefor, which are hereby approved, and under the direction and supervision of the Engineer-in-Chief of this Department, said shed to become the property of the Corporation of the City of New York at the expiration or the sooner termination of the lease of said Pier, free of all claims of every kind whatsoever ; provided, however, that the said Central Railroad Company of New Jersey shall, within ten days after receipt hereof, signify its acceptance in writing of the terms and conditions.

8th. Reporting the non-removal of the brick dumped overboard from the scow "Sadie F. Hoagland" at the foot of West One Hundred and Thirty-third street. The Engineer-in-Chief directed to remove and report the cost for collection.

9th. Reporting the non-commencement of repairs to the Pier foot of Horatio street, North river. The Secretary directed to transmit copy of the order of October 4, 1893, to the Lehigh Valley Railroad Company, sub-lessees.

10th. Reporting repairs required to the Pier foot of West One Hundred and Thirty-fourth street. The Engineer-in-Chief directed to repair.

11th. Reporting repairs required to Piers, new 20 and 21, North river, and the pavement entrance to Pier 18, East river. Lessees directed to repair.

12th. Reporting damage to the outer end of Pier, old 41, North river, by the ferry "Hudson City." The New Jersey Steamboat Company directed to repair.

13th. Recommending that the time for the completion of Pier 42, North river, under Contract No. 434, be extended to December 24, 1893. Recommendation adopted.

14th. Partial report on Secretary's Order No. 13038—Submitting map showing obstruction Twelfth avenue, between Fifty-first and Fifty-second streets. Notify the owners that unless sheds, etc., are removed within thirty days, the work will be done by the force of the Department.

On motion, the following preamble and resolution were adopted :

Whereas, Babcock, Lary & Co. have failed to carry out the terms of the agreement dated 27, 1893, for dredging, and have shown their inability to complete such work within the time,

Resolved, That the agreement with Babcock, Lary & Co. dated July 27, 1893, for dredging at Ninety-first street, East river; foot of Dey street, North river; foot of Warren street, North river, and Park Place, North river, be and is hereby cancelled.

On motion, the following preambles and resolution were adopted.

Whereas, Application has been made by Michael Mitchell, lessee, for dredging at the Pier foot of West Thirty-fifth street; and

Whereas, This Board considers dredging to the amount of five thousand yards necessary;

Resolved, That the Engineer-in-Chief be and hereby is directed to make requisition for dredging to the extent of five thousand yards at the Pier foot of West Thirty-fifth street.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13366. As to the cost of repairs to Pier, new 19, North river, damaged by the ferry-barge of the New York, Lake Erie and Western Railroad Company. The Treasurer authorized to collect.

No. 13367. As to the cost of repairs to the Washington Pier damaged by the tug "Triumph." The Treasurer authorized to collect.

No. 13309. As to the dredging required at Pier 55, East river. The Engineer-in-Chief directed to make requisition.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12570. Removal of old material and property of the Department from East Seventh Street Yard.

No. 13282. Placed the necessary fences and signs to prevent filling-in, between Eighty-second and Eighty-third streets, East river.

No. 13343. Placed fence and watchman's house to prevent filling-in between Eighty-third and Eighty-fourth streets, East river.

No. 13382. Repaired temporary approach to Pier, new 60, North river.

No. 13384. Repaired the backing-log on the bulkhead between Piers, new 54 and 55, North river.

No. 13424. Placed a sign at the outer end of the Pier foot of West Thirteenth street, prohibiting the landing of vessels thereat.

No. 13428. Tested one barrel of cement for W. R. Grace & Co.

No. 13436. Repaired pavement at the inner end of Pier at West Fifteenth street.

No. 13437. Repaired the Pier at West Forty-seventh street.

No. 13439. Built an incline from the grade of the pavement to the deck of the Pier at West Eleventh street.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 12240. Erection of a temporary platform and elevated coal-hoisting apparatus between One Hundred and Fiftieth and One Hundred and Fifty-first streets, west side of the Harlem river.

No. 13431. Dredging at the dumping-board foot of East Thirty-eighth street.

The Engineer-in-Chief returned Secretary's Orders Nos. 10900, 11083, 12979, 13393 and 13446.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending January 3, 1894, amounting to \$37,482.77, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1893 Dec. 26	Morgan Louisiana and Texas R. R. & S. S. Co.....	1 qrs. rent Pier, new 25, N. R.....	\$8,347 03		1893.
" 26	Southern Pacific Co.....	" Pier, new 37, N. R. and ½ bhd. each side.....	13,750 00		
" 28	Brown & Fleming.....	Repairs to Pier at Riker's Island.....	35 61		
" 28	George C. Holt.....	Maps of water front, Spuyten Duyvil.	15 00		
" 28	Brown & Fleming.....	1 qrs. rent bhd. foot of 49th st., E. R..	131 25		
" 28	Cedar Hill Ice Company.....	1 mos. rent bhd. S. Little W. 12th st...	125 00		
" 29	Balt. & Ohio R. R. Co.....	1 qrs. rent l. u. w., pfm. E. and W. Pier 27, E. R.....	268 75		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
1893.				
Dec. 29	Balt. & Ohio R. R. Co.....	1 qrs. rent Pier at E. 37th st., E. R....	\$250 00	
" 29	" .....	" Pier at W. 17th st., N. R...	1,125 00	
" 29	John A. Bouker.....	" Pier at W. 46th st., N. R...	750 00	
" 29	" .....	" N. 1/2 and outer end Pier foot W. 12th st.....	525 00	
" 29	" .....	" bhd. foot E. 73d st., E. R...	200 00	
" 29	M. Moran.....	Repairs to derrick.....	73 48	
				\$25,596 12
1894.				
Jan. 2	J. B. & J. M. Cornell.....	1 qrs. rent bhd. bet. Piers, new 56 and 57, N. R.....	\$625 00	
" 2	Penn. R. R. Co.....	" Pier at 37th st., N. R.....	2,500 00	
" 2	New Jersey Steamboat Co....	1 mos. rent Pier, old 40, N. R.....	1,666 67	
" 2	Carroll Box and Lumber Co..	" N. side. Pier at 19th st., N. R.....	125 00	
" 2	Long Island R. R. Co.....	1 qrs. rent l. u. w., pfm. bet. Piers 32 and 33, E. R.....	500 00	
" 2	International Nav. Co.....	6 mos. use Pier, new 14, N. R.....	4,200 00	
" 2	George A. Woods....	Wharfage, District No. 2, N. R.....	142 50	
" 2	Edward Abeel.....	" 4, " .....	406 00	
" 2	B. F. Kenney.....	" 6, " .....	140 23	
" 2	William B. Osborne.....	" 8, " .....	120 38	
" 2	James J. Fleming.....	" 10, " .....	82 50	
" 2	Thomas P. Walsh.....	" 12, " .....	35 90	
" 2	Henry A. Palmstine. ....	" 1, E. R.....	87 74	
" 2	Charles S. Coye.....	" 3, " .....	427 85	
" 2	James A. Monaghan.....	" 5, " .....	302 23	
" 2	Joseph F. Meehan.....	" 7, " .....	79 00	
" 2	Maurice Stack.....	" 9, " .....	66 78	
" 2	" .....	" 9, " .....	145 80	
" 2	James W. Carson.....	" 11, " .....	41 30	
" 2	John J. Martin.....	" 13, " .....	101 77	
				11,886 65
			\$37,482 77	\$37,482 77

Respectfully submitted,

JAMES J. PHELAN, Treasurer



: Auditing Committee presented an audit of 31 bills or claims amounting to \$42,544.94, ere approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.

Name.	Amount.
Alexander Pollock, gunny bags, etc . . . . .	\$487 16
Graves & Steers, piles, etc . . . . .	1,408 11
The East River Mill and Lumber Company, spruce . . . . .	1,217 64
James Brand, cement . . . . .	1,031 42
J. M. Motley, spruce . . . . .	2,113 36
Alfred J. Murray, piles, etc . . . . .	483 06
Thomas C. Dunham, varnish, etc . . . . .	47 00
Henry Haggerty, oil . . . . .	243 45
The Niles Tool Works, vise . . . . .	30 00
The Broderick Supply Company, pitch . . . . .	48 75
Gas Engine and Power Company, naptha . . . . .	76 00
Greenlie, Wyatt & Co., cast iron . . . . .	176 94
Hodgman Rubber Company, hose, etc . . . . .	77 50
The George F. Blake Manufacturing Company, pumps, etc . . . . .	15 60
McNab & Harlin Manufacturing Company, steam traps, etc . . . . .	43 15
F. Vinton Smith, Estimate No. 3 and final, Contract No. 452 . . . . .	14,009 05
John W. Flaherty, Estimate No. 3 and final, Contract No. 454 . . . . .	9,498 80
	————— \$31,006 96

General Repairs Account.

Graves & Steers, piles . . . . .	\$716 17
Morris & Cumings Dredging Company, dredging . . . . .	2,253 94
	————— 2,970 11

Construction Account.

Rabcock, Lary & Co., dredging . . . . .	\$3,517 11
Bell Brothers, spruce . . . . .	295 22
Alfred J. Murray, piles . . . . .	329 62
McNab and Harlin Manufacturing Company, valve, etc . . . . .	37 11
Brown & Fleming, rip-rap . . . . .	400 00
Sperry and Popham Coal Company (Limited), coal . . . . .	205 00
Atlas Cement Company, cement . . . . .	983 01
David Duncan & Son, coal . . . . .	826 18
Carroll Box and Lumber Company, lumber . . . . .	71 09

Audit No.	Name.	Amount.
13863.	The John Good Cordage and Machine Company, rope, etc.....	\$693 56
13864.	H. P. Sheridan, rip-rap .....	369 93
		<u>\$7,727 1</u>

General Repairs Account.

13865.	Bell Brothers, spruce.....	840 1
	Total.....	<u>\$42,544 1</u>

Respectfully submitted,

ANDREW J. WHITE, }  
JAMES J. PHELAN, } Auditing Committee.

The action of the President, in transmitting the same with requisitions for the amount to Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
13842.	Steam pumps, etc.....	\$130 1
13843.	Screw bolts.....	85 1
13844.	Grindstones.....	30 1
13845.	Rip-rap stones.....	400 1
13846.	.....	
13847.	Portland cement.....	2,080 1
13848.	Second-hand iron chain.....	45 1
13849.	White oak piles.....	182 1
13850.	.....	
13851.	Services of tugs..... per hour	5 1
13852.	Testing iron.....	70 1

The Treasurer reported that he had received estimates for furnishing the Department with white oak piles and rip-rap stone as follows :

About 60 White Oak Piles, 45 to 60 Feet Long.

J. L. Mumford & Son.....	\$588 3
William Taylor.....	600 1
Graves & Steers.....	679 1

About 1,000 Cubic Yards of Rip-rap Stone.

H. P. Sheridan.....	\$0 31 per cubic yard
Bouker Contracting Company.....	0 45 "
Brown & Fleming.....	0 40 "

The action of the Treasurer in awarding the order to J. L. Mumford & Sons and H. P. Sheridan, they being the lowest bidders, approved.

Following requisitions were passed :

For What.	Estimated Cost.
n tests.....	\$42 00
ruce, per M. ....	21 00
lcanized yellow pine.....	1,151 42
lcanized yellow pine.....	149 03
edging.....	187 50
awing material.....	146 35
pairs to testing machine....	35 00
edging.. ..	75 00
ruce.....	122 00
edging.....	187 50
	<u>          </u>

Secretary submitted a report of the tonnage of vessels berthed for the month ending 30, 1893, on the North, East and Harlem rivers.

tion, ordered to be spread in full on the minutes as follows :

<i>North River.</i>		
	Tons. .	Total.
.....	252,716	
.....	1,149,184	
	<u>      </u>	1,401,900
<i>East River.</i>		
.....	20,623	
.....	532,425	
	<u>      </u>	553.048
<i>Harlem River.</i>		
.....		
.....	13,366	
	<u>      </u>	13,366
Total.....		<u>          </u> 1,968,314

Secretary reported that the pay-rolls for the month ending December 31, 1893, amounting 3.47, and the general repairs and construction force for the week ending December 29, amounting to \$11,400.29, had been approved and audited and transmitted to the Finance Department for payment.

motion, the officers of the Board were authorized to execute a renewal of the lease of Pier, North river, to the Atlas Steamship Company.

motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read, and

On motion, ordered to be placed on file, viz. :

From the New York City Civil Service Boards—Reporting that Thomas P. T. Nash prescribed examination for the second grade of clerkship on the 23d ultimo.

From W. W. Maclay, First Assistant Engineer--Requesting that the leave of absence June 8, 1893, be extended until March 1, 1894. Application granted.

Joseph A. Bailey and John Hackett, Laborers, and Timothy Keating, Dock Builder, charged.

The following persons were appointed :

*Dock Builders.*

Francis J. Mooney.

John Murphy.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secre

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, "A," Battery place, Thursday, January 11, 1894, at 11 o'clock A. M.

Present—Commissioner Phelan.

" " White.

Absent—President Cram.

The minutes of the meeting held on the 4th instant were read and approved.

A committee of wholesale lumber dealers and others were present and submitted a petition stating the lack of wharfage facilities on the North river, between Twentieth and Thirty-fourth streets, and requested the building of a pier at the foot of West Twenty-third street.

On motion, the matter was tabled.

A representative of the Pennsylvania Railroad Company appeared and renewed their application of December 14, 1893, for a lease of twenty feet of bulkhead near the foot of Cortlandt street, North river.

A representative of John H. Starin was present in opposition.

On motion, the matter was tabled.

The Pennsylvania Railroad Company submitted an application to build the bulkhead or river wall between Vestry and Watts streets, North river, and requested the rescinding of the resolutions adopted on the 21st ultimo, whereby the Department agreed to do the work, except in front of the premises of said company.

On motion, the following resolution was adopted :

Resolved, That, if the Commissioners of the Sinking Fund approve, permission be and hereby granted the Pennsylvania Railroad Company to extend the bulkhead-line of the property claimed and owned by said company, from a point where the northerly line of Vestry street, if extended, would intersect the line of said bulkhead to a point where the southerly line of Watts street, if extended, would intersect the line of said bulkhead, in conformity with the plan adopted by this Department, at the cost and expense of said company, under the supervision of the Engineer-in-Chief of this Department, as provided for in section 715 of the New York City Consolidation Act of 1892, as amended by chapter 397 of the Laws of 1893 ; provided, however, that the said Pennsylvania Railroad Company shall, within ten days from the receipt hereof, file in this office its written acceptance of the terms and conditions of this resolution.

Bernard Campbell, lessee, appeared respecting the order to raise the grade of the bulkhead at the foot of One Hundred and Thirty-seventh street, North river.

On motion, the order dated January 4, 1894, was suspended.

He also requested the Board to suspend the order of October 4, 1893, relating to accommodations under the dumping-board foot of West Sixteenth street.

On motion, the application was granted, it being understood that horses are not to be kept there over night.

The offer of Thomas Patten to compromise the claim against him for rent of land under way north of Seventy-fourth street, East river, for the sum of \$350, was referred to the Treasurer.

The request of the Department of Public Works, to have the coal landing pier at High Bridge extended thirty feet into the Harlem river, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Morgan & McGovern, to dredge the slip south of the pier foot of East Seventh street.

Pennsylvania Railroad Company, to repair the damage to the outer end of Pier, old 4 North river.

New York, Lake Erie and Western Railroad Company, to repair the outer corners of Pier new 20 and 21, North river.

The following permits were granted, to continue only during the pleasure of the Board :

Daniel McCabe, to place a small sign on his office on the bulkhead at Pier 23, East river.

Osson P. Raynor, to maintain floats and boat-houses on the property of Henry Hart, between Third and Lexington avenues, Harlem river.

On motion, the Engineer-in-Chief was directed to return the floats belonging to said Raynor when applied for.

The following permits were granted, to continue only during the pleasure of the Board, compensation to be fixed by the Treasurer :

George Grossman, to retain a steam-hoisting derrick on the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river.

Isaac A. Hopper, to erect a temporary dock at One Hundred and Thirty-first street, Harlem river, under the supervision of the Engineer-in-Chief.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Mayor's Office—Requesting to be advised as to the probable amount of subscription by the employees of this Department for relieving the destitute and unemployed. The Secretary directed to furnish the information.

From the Finance Department—Requesting information as to the cause of the delay of the work at West Twenty-third Street Station, under the unanimous resolution adopted November 1880. The action of the President pro tem. in replying thereto approved.

From the Counsel to the Corporation—Transmitting quadruplicate copies of agreement for the lease of certain bulkhead and wharf property, including the northerly half of Pier, old 14, and southerly half of Pier, old 12, with his approval as to form endorsed thereon. The officers of the Board authorized to execute.

From the Department of Taxes and Assessments—Respecting the volume giving names of owners of private property, requested December 28, 1893. The action of the Treasurer in replying was approved.

From the Fire Department—Reporting the removal of the cables foot of Lincoln avenue, East river.

From the Board of Street Opening and Improvement—Notice of a meeting at the Mayor's office, January 12, 1894, relative to the improvement of the water front along Riverside Drive. The Treasurer requested to attend.

From the Supervisor of the City Record—Requesting a classified list of all employees in the Department, except Laborers, with name, position, residence and salaries for publication in the CITY RECORD. The Secretary directed to furnish the information.

From the Department of Street Cleaning :

1st. Stating that if the street cleaning dump must be removed from the foot of Rutgers street, East river, it should be placed at some point to the south thereof. Notify said Department that the dump will not be disturbed at present.

2d. Requesting dredging at the dumps foot of Canal and Thirtieth streets, North river. The Engineer-in-Chief directed to make requisition.

From the American Surety Company and the United States Guarantee Company—Consenting to the extension of time granted H. M. Loud, on the 21st ultimo, in which to complete the delivery of sawed yellow pine timber under Contract No. 456.

From E. J. Kelly & Horace Russell, sureties—Consenting to the extension of time granted James Symington, on the 28th ultimo, in which to complete the deliveries of granite under Contract No. 457.

From William F. Cunningham—Requesting an opportunity to estimate for the work of filling in between One Hundredth and One Hundred and Third streets, East river.

From the New York Central and Hudson River Railroad Company—Stating that it is their intention to take advantage of the option for a renewal of the lease of land under water between Sixtieth and Sixty-fifth streets, North river, for ten years, from August 1, 1894. The Secretary directed to prepare the necessary form of renewal.

From the International Navigation Company—Agreeing to cancel its lease of Pier, new 43, North river, and to surrender said pier January 1, 1894.

On motion the Dock Master was directed to collect wharfage thereat and the following resolution adopted :

Resolved, That the lease of Pier, new 43, North river, to the International Navigation Company, dated October 5, 1888, be and is hereby canceled and annulled, to take effect January 1, 1894.

From the Atlantic Transport Line—Complaining of the condition of the approach to piers in the vicinity of Pier, new 57, North river. Request the Department of Public Works to raise the grade of the pavement on Thirteenth avenue.

From Dock Master Martin—Reporting that the bulkhead platform foot of One Hundred and Fifty-fifth street, Harlem river, is in a dangerous condition. The Engineer-in-Chief directed to examine and repair if necessary.

From Dock Master Kenney—Respecting the non-removal of the stable under the dump on board on the pier foot of West Sixteenth street.

On motion, the order of October 4, 1893, was suspended.

From the Engineer-in-Chief :

1st. Report for the week ending January 6, 1894.

2d. Recommending that the slip south of the pier foot of West Fifty-fifth street be set aside as a timber basin until the basin at West Seventy-fifth street is ready for use. Recommendation adopted.

3d. Recommending the revocation of the permit for the shanties foot of Stanton street, East river. Permit revoked, and the Engineer-in-Chief directed to remove said shanties in case they are not removed within one week.

4th. Recommending that George C. Comstock be directed to either deliver the granite purchased from him or return the Treasurer's Orders. Recommendation adopted.

5th. Submitting specifications and form of contract for cobble, rip-rap, sand and broken stone. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

6th. Respecting the filling-in by the Department of Street Cleaning behind the cribwork at Riker's Island. Transmit copy of said report to the Commissioner of Street Cleaning.

7th. Reporting the completion of the work of building Pier, new 22, North river. The Secretary directed to prepare the necessary form of lease, the term to commence January 1, 1894, and rental to begin this date.

8th. Reporting the completion of the extension of the pier at East Twenty-fourth street, and recommending that the outer 280 feet be reserved for the use of the Department. Recommendation adopted.



9th. Reporting the completion of the pier foot of Stanton street, East river. The Dock Master directed to collect wharfage.

10th. Reporting repairs required to the pier at West Thirty-fourth street, East Thirty-eighth street, and the pavement on the upper and lower piers foot of East Ninety-sixth street. The Engineer-in-Chief directed to repair.

11th. Reporting repairs required to the armature plates on Pier, new 59, North river. Lessee directed to repair.

12th. Reporting repairs required to the pavement in front of Pier 15, East river. Owners or occupants directed to repair.

13th. Report on Secretary's Order No. 12898, recommending the removal of the float at Pier "A" to a less exposed place. Recommendation adopted.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13109. Respecting the repairs made to the pier at West Forty-fourth street.

No. 13386. Submitting plans, specifications and description for the alterations and additions to the quarters of the Police Department on the northerly side of Pier "A," North river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the Police Department to make alterations and additions to the quarters of said Department on the northerly side of Pier "A," North river, in accordance with the plans, specifications and descriptions submitted by this Department. The work to be done under the supervision of the Engineer-in-Chief.

No. 13455. As to the application of Matthew Baird, for an extension of time for the delivery of granite under Contract No. 412. Time extended until January 11, 1894, provided the written consent of the sureties to said contract is filed in this Department.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13202. Improved the approaches to Pier, new 55, North river.

No. 13331. Repaired Pier, new 29, East river.

No. 13348. Repaired the Pier foot of One Hundred and Fifty-fifth street, North river.

No. 13364. Repaired the pavement on the bulkhead between Piers 58 and 59, foot of Delancey street, East river.

No. 13401. Staked out plots on the new made land between North Moore and Duane streets, also between Vesey and Fulton streets, for the sale of Christmas trees.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 12038. Removal of the office of Canda & Kane from Twelfth avenue, between Fifty-first and Fifty-second streets.

No. 12176. Removal of an abandoned boat sunk in front of the small pier north of Fifty-third street, North river.

- No. 12771. Erection of coal elevator and appurtenances on the pier at East Ninety-fourth str
- No. 13307. Repairs to the Pier at Fortieth street, North river.
- No. 13323. Erection of temporary pile platform at the end of Willis avenue, Bronx Kills.
- No. 13333. Extending the track of the New York Central and Hudson River Railroad C  
pany on Pier, new 38, North river.
- No. 13363. Repairs to the underpinning of Pier 4, North river.
- No. 13377. Removal of cables during the progress of the work of dredging at the dump  
board foot of Lincoln avenue, Harlem river.
- No. 13408. Repairs to pavement in front of Pier 33, East river.
- No. 13409. Repairs to the pavement in front of Pier 34, East river.
- No. 13449. Dredging at the bulkhead foot of Ninety-sixth street, North river.
- No. 13464. Extension of the fence foot of One Hundred and Thirty-first street and Lexing  
avenue, by Henry Hart.

The Engineer-in-Chief returned Secretary's Orders Nos. 13242 and 13410.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending J  
ary 10, 1894, amounting to \$61,655.85, which was received and ordered to be spread in full on  
minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D. DE IT
1894.					18
Jan. 3	Thomas Smith.....	Filling in at W. 44th st., N. R., Nos. 0.1 to 5,000, N. 5,001 to 10,000.....	\$1,000 00		
" 3	Sanderson & Son (Assignees).....	1 qrs. rent Pier, new 54, N. R.....	6,250 00		
" 3	James Shewan.....	1 mos. rent dry dock ft. Stanton street.	208 33		
" 3	Simpson & Spence, Agents....	1 qrs. rent Pier, new 56, N. R... ..	7,500 00		
" 3	Brooklyn & N. Y. Ferry Co....	" l. u. w. ferry structure bet. 22d and 23d sts., E. R....	1,729 38		
" 3	Quebec Steamship Co.....	1 mos. rent bhd. bet. Piers, new 46 and 47, N. R.....	83 33		
" 3	James E. Ward & Co. ....	" l. u. w. pfm. bet. Piers 16 and 17, E. R.....	147 86		
" 3	Central R R Co. of New Jersey	" S. ½ Pier 14 and bhd. adj., N. R.....	1,437 50		
" 4	N. Y. Horse Manure Co.....	1 qrs. rent Pier at 45th street, N. R...	875 00		
" 4	Hudson Tunnel Ry. Co.....	6 mos. rent reclaimed land S. Pier, new 42, N. R.....	1,000 00		
" 6	Thomas Ward.....	1 mos. rent bhd., etc., S. 80th st., N. R.....	83 37		
" 6	Oceanic Steam Navigation Co.	1 qrs. rent Piers, new 44 and 45, bhd. bet. and ½ bhd. N. Pier, new 45, N. R.....	16,225 94		
" 6	"	" Pier, new 38, and bhd. each side, N. R.....	11,062 50		
" 6	H. L. Herbert.....	" bhd. at 20th street, E. R..	125 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
N. Y. & Northern Ry. Co.....	1 mos. rent Pier 40, E. R.....	\$1,041 66		
West Shore R. R. Co.....	1 qrs. rent Pier, new 23, N. R., and 1/2 bhd. adj., each side.....	10,500 00		
James Symington.....	Testing cement .....	10 00		
George A. Woods.....	Wharfage, District No. 2, N. R.....	404 92		
Edward Abeel.....	" 4. " .....	175 17		
B. F. Kenney.....	" 6. " .....	133 50		
W. B. Osborne.....	" 8. " .....	77 50		
James J. Fleming.....	" 10. " .....	716 17		
Thomas P. Walsh....	" 12. " .....	40 60		
H. A. Palmstine.....	" 1, E. R.....	117 08		
Charles S. Coye.....	" 3. " .....	212 23		
James A. Monaghan.....	" 5. " .....	152 71		
Joseph F. Meehan.....	" 7. " .....	82 33		
Maurice Stack.....	" 9. " .....	142 02		
John J. Martin.....	" 13. " .....	112 75		
		\$61,655 85	\$61,655 85	Jan. 9
		\$61,655 85	\$61,655 85	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of ten bills or claims, amounting to \$5,067.57, were approved and audited and ordered to be spread in full on the minutes, as follows :

Construction Account.			
No.	Name.	Amount.	Total.
	Car-fares .....	\$181 52	
	Incidentals.....	77 73	
			\$259 25

Annual Expense Account.			
	Car-fares .....		41 87

Construction Account.			
	Alexander Pollock, shovels, etc.....	\$135 72	
	Heipershausen Bros., towing.....	528 75	
	L. Stuebner & Co., dumping-car, etc.....	334 65	
	Brown & Fleming, rip-rap.....	417 20	
	E. Mors & Co., piles.....	3,000 00	
			4,416 32

Annual Expense Account.

Audit No.	Name.	Amount.
13874.	Consolidated Gas Co., gas. ....	\$133 50
13875.	John Early & Co., soap, dusters, etc. ....	216 65
		<hr/>
		<hr/>
		\$
		<hr/>

Respectfully submitted,

ANDREW J. WHITE, { Audit  
JAMES J. PHELAN, { Commi

The action of the President in transmitting the same with requisitions for the amou  
Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estim.
13853.	Tests of iron. ....	
13854.	Dredging. ....	
13855.	Piles. ....	
13856.	Rip-rap stone. ....	
13857.	Egg coal. ....	per ton
13858.	White oak piles. ....	
13859.	Dredging. ....	
13860.	" ....	
13861.	Spruce and white pine boards. ....	
13862.	Services of tugs. ....	per hour
13863.	Piston rings. ....	
13864.	Pump shell. ....	
13865.	Egg coal. ....	
13866.	Wrought iron anchors. ....	
13867.	Services of horse, cart and driver. ....	
13868.	" " ....	
13869.	Repairs to circular saws. ....	
13870.	Cotton fire-hose. ....	
13871.	Dredging. ....	
13872.	Drivers' mittens, etc. ....	
13873.	Wood finish, etc. ....	
13874.	Spruce plank. ....	
13875.	Naphtha. ....	
13876.	Drawing material. ....	
		<hr/>
Requisition No.		
617.	Stationery, etc.	

The Treasurer reported that he had received estimates for furnishing the Department with  
 rubble and rip-rap stones, as follows :

*About 1,000 Cubic Yards of Cobble Stones.*

H. P. Sheridan .....	per cubic yard	\$0 88
Brown & Fleming .....	"	90
Huber Contracting Company .....	"	95

*About 4,000 Cubic Yards of Rip-Rap.*

Brown & Fleming .....	per cubic yard	\$0 28
H. P. Sheridan .....	"	35
Huber Contracting Company .....	"	45

The action of the Treasurer in awarding the orders to H. P. Sheridan and Brown & Fleming,  
 being the lowest bidders, approved.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Engineer-in-Chief :

1st. Reporting that Laborers David Marwick, John Lynch No. 1 and John Lynch No. 2 have been  
 laid off and are unassigned for having been absent from all duty three successive days without being  
 excused.

On motion, John Lynch No. 2 was ordered to be restored to duty and David Marwick and  
 John Lynch No. 1 were discharged.

2d. Respecting the classification of certain employees of the Department.

On motion, the following preambles and resolutions were adopted :

Whereas, The Civil Service Board has made a classification of certain employees in the Depart-  
 ment of Docks of "Mechanical Engineers," "Marine Engineers" and "Enginemen" (including  
 those capable of running derrick and pile-driver engines) : and

Whereas, It is deemed advisable that the classification on the records of this Department should  
 correspond with those of the Civil Service Board :

Resolved, That steam engineers or persons who are capable of running derrick and pile-driver  
 engines and stationary engines, shall hereafter be called and designated "Enginemen," and that  
 the pay of such employees shall be at the rate of thirty-five cents per hour, except when employed

in running the steam-heating boilers on Pier "A" and the stationary engines at West Fifty-street yard, when it shall be at the rate of thirty cents per hour.

Resolved, That the title and designation of the following-named employees of this Department be changed to "Enginemen," to take effect on and after January 13, 1894 :

James Anderson,	William T. Hall,	John O'Connell,
William P. Baker,	James Hennessey,	George A. Shevlin,
William J. Brennan,	Thomas J. Joyce,	M. M. Smith,
William H. Burnham,	John T. Lane,	Z. C. Smith,
John Canavan,	George F. Lange,	Frederick Yud,
Dennis F. Eagan,	Francis Macklin,	William H. Rose,
John J. Givnan,	Isaac P. Maslen,	Tronson Kerr.
John R. Grant, Jr.,	Alfred J. Mayer,	

Resolved, That the title and designation of Robert Kyles, Engineer on Pile Drive be changed to that of "Engineman," and that his rate of pay be 45 cents per hour, as heretofore.

The following action was taken in reference to employees :

The resignations of Thomas J. Morrison and Charles Leiser, Laborers, were accepted.

On motion, John M. Hannon, Laborer, was discharged.

The following persons were appointed :

*Dock Builder.*

William Dwyer.

*Laborers.*

James Hughes,	D. H. Bird,	William Williams.
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Clifford A. Atkinson was appointed Laborer with compensation at the rate of \$60 per month.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. "A," Battery place, Thursday, January 18, 1894, at 11 o'clock A. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The minutes of the meeting held on the 11th instant were read and approved.

The communication from the Hoboken Ferry Company, requesting permission to build the bulkhead or river wall and fill in behind the same, between Barclay and Vesey streets, North river, was tabled until Thursday, January 25, 1894.

The following communication was referred to the Treasurer :

From John H. Schultz, executor of the estate of James Brown—Offering to sell to the City the water-front west of Twelfth avenue, between Fifty-first and Fifty-second streets.

The following communication was referred to Commissioners White and Phelan :

From James A. Deering—Submitting draft plan of proposed act for the improvement of land under water adjacent to Riverside Park and the arrangement of the docks at Seventy-ninth and Ninety-sixth streets.

The following communication was referred to the Dock Master :

From George Hayes—Requesting a permit for a coal-hoist on Pier 43, East river.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the Walker Chemical Company, Jersey City, New Jersey—Respecting the merits of the wood preservative manufactured by them.

From John D. Dailey—Suggesting that nothing be done respecting the closing of the gap at Riker's Island until the Commissioner of Street Cleaning has had an opportunity to communicate with the Board.

From Neil Golding—Respecting an outlet to the sewer in West Fifty-fifth street, which he is constructing.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Manhattan Railway Company—To replace piles and make repairs to the fenders on the draw-bridge at One Hundred and Twenty-ninth street and Second avenue, Harlem river.

New York Central and Hudson River Railroad Company—To dredge on the north side of Pier, new 66, foot of West Thirty-sixth street.

Frederick P. Sperry—To drive three piles in front of the bulkhead occupied by him at One Hundred and Thirty-sixth street, Harlem river.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department :

1st. Requesting a requisition and voucher for \$34,269.12 in settlement of the judgment entered in the suit of Thomas Lenane and Martin J. Brophy, as trustees, for damages of wharfage rights appurtenant to the bulkhead on the westerly side of West street, at Spring street.

2d. Requesting a requisition and voucher in favor of John S. McLean for \$87,842.57, Mary J. Halstead and others, trustees, \$65,687.60, and John G. Wendel, \$22,152.98, in settlement of the judgment of wharfage rights appurtenant to the bulkhead on the westerly side of West street in the vicinity of Barrow and Morton streets. The Chief Clerk directed to prepare the necessary requisitions.

From the Counsel to the Corporation—Returning contract and specifications for furnishing 8,000 barrels of Portland cement, under Contract No. 464, with his approval as to form indorsed thereon.

From the Police Department—Respecting additional accommodations for the Twenty-eighth Precinct force, on Pier "A," North river.

From Isaac Eppinger and T. S. Quinn, sureties—Consenting to the extension of time granted William D. Wheelwright and Charles R. Hewitt to complete the deliveries of sawed yellow pine timber under Contract No. 448.

From James Baird and John P. Kane, sureties—Consenting to the extension of time granted Matthew Baird on the 11th inst. to complete the deliveries of granite under Contract No. 412.

From George Carlton Comstock—Reporting that if he is unable to deliver the granite sold the Department he will return the Treasurer's orders for cancellation.

From Gray & Lasher—Reporting that on the 11th inst. a truck belonging to them broke through the Pier at West Twenty-second street and claiming damages for the accident. Referred to the lessee.

From the Occident Dock Company, lessee—Reporting that if the Board will repair the armature plates on Pier, new 59, North river, they will pay the cost. Application granted.

From the Baltimore and Ohio Railroad Company, lessee—Acknowledging receipt of conditions adopted on the 11th instant respecting the lease of Pier, new 22, North river, and reporting that in compliance thereto they will take possession of the pier immediately.

From Babcock, Lary & Co.—Requesting an opportunity to appear before the Board to disapprove the preamble and resolution adopted on the 4th instant. Notify said parties to appear Thursday, January 25, 1894, at 11 o'clock A. M.



**From Everett P. Wheeler**—Requesting a survey of the water-front between Seventy-fifth and Seventy-sixth streets, East river. The Engineer-in-Chief directed to do the work at once.

**From Brown & Fleming**—Protesting against the right to fill in behind the new bulkhead-wall at Stanton and Rivington streets, East river, being sold to any persons except at public auction.

On motion, the following resolution was adopted :

**Resolved**, That the specifications submitted by the Engineer in-Chief of this Department, for filling in behind the bulkhead or river wall now building between Rivington and Stanton streets on the East river, be and they are hereby approved, and the Secretary be and is hereby directed to advertise the same in the CITY RECORD and other newspapers designated by law, stating that the privilege will be sold at public auction to the highest bidder.

**From the Commissioners of the Sinking Fund**—Notice of a meeting at the Mayor's office Friday, January 19, 1894, at 1 o'clock P. M.

**From the Treasurer :**

1st. Respecting the request of Henry Keteltas of the 4th instant for a valuation on his property foot of Corlears street, East river. Transmit to said Keteltas copy of said report.

2d. Respecting the offer of Cantor & Van Schaick of the 21st ultimo to sell to the City on behalf of their client the property between Forty-seventh and Forty-eighth streets, beginning 475 feet east of First avenue ; and reporting that it is the opinion of the Counsel to the Corporation that the Department has no power to purchase property where no plan has been adopted. Report approved. Transmit copy of said report to the attorneys.

3d. Recommending that Benjamin Griggs be charged for berthing the steamer "W. V. Wilson" on the south side of Pier, old 57, North river, \$2 per day, Sundays included, payable at the end of each week to the Dock Master. Report approved.

4th. Recommending that the Counsel to the Corporation be notified to continue the proceedings against Thomas Patten, for the full amount of rent of land under water foot of Seventy-fourth street, East river. Report approved.

5th. Recommending that George Grossman be charged \$1 per day, Sundays included, payable at the end of each week to the Dock Master, for a steam derrick on the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river. Report approved.

**From the Secretary**—Reporting the receipt of \$352.50 from the employees of the Department, as a contribution for the poor and distressed of the City. The Secretary directed to transmit the same to his Honor the Mayor.

**From Dock Master Woods**—Reporting that there are 13 piles on Pier, new 22, North river, belonging to this Department. The Engineer-in-Chief directed to remove.

From the Engineer-in-Chief :

1st. Report for the week ending January 13, 1894.

2d. Reporting the completion of the work of removal of Pier, old 29, the shed and other structures thereon on the North river, under Contract No. 461.

3d. Recommending that the Commissioner of Public Works be permitted to dump condemned material at Stanton Street Section. Recommendation adopted.

4th. Reporting repairs required to the bulkhead between Bethune and Bank streets, North river, and recommending that the owners be directed to repair. Recommendation adopted.

5th. Reporting repairs required to the bulkhead between West Twelfth and Bethune streets, North river, and recommending that the owners be directed to repair. Recommendation adopted.

6th. Report on Secretary's Order No. 13508, respecting the extension of the Pier at High-bridge, Harlem river, requested by the Department of Public Works, and reporting that the proposed structure will be outside the established bulkhead-line on property of the United States Government. Notify said Department that a permit for said work cannot be granted for the reasons stated.

The Engineer-in-Chief reported that the following work had been done by the force of the Department, under Secretary's Orders :

No. 13324. Repaired Pier at Fifty-fifth street, North river.

No. 13470. Changed position of float at North Brother Island, in accordance with the request of the Health Department.

No. 13480. Repaired sheathing on deck of Pier at One Hundred and Thirty-fourth street, North river.

No. 13482. Changed position of runway and float at One Hundred and Thirty-eighth street, Long Island Sound, in accordance with the request of the Health Department.

No. 13510. Removal of boat float from Pier "A" to the foot of Ninety-first street, East river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 12876. Repairs to bulkhead between Twenty-ninth and Thirtieth streets, East river.

No. 12920. Filling in at Forty-fourth street, North river, by Thomas Smith.

No. 13246. Attaching a sub-marine cable to Pier, new 15, North river, by the Metropolitan Telephone and Telegraph Company.

No. 13427. Dredging in front of the bulkhead foot of Seventy-second street, North river, and northerly side of Pier "I," foot of West Seventieth street.

No. 13457. Dredging on the southerly side of Pier at Seventy-ninth street, North river.

No. 13478. Erection of a derrick on Pier 43, East river.

No. 13485. Dredging at the Pier foot of Thirty-fifth street, North river.

No. 13486. Dredging in the half slip adjoining the southerly side of Pier 55, East river.

No. 13390. Removal of sunken barge foot of Seventy-second street, North river.

No. 13493. Placing a sign on the small office on the bulkhead between Piers, 22 and 23, East river.

No. 13506. Placing floats and boat houses on the property of Henry Hart, between Third and Lexington avenues, Harlem river.

No. 13511. Repairs to the surface of the Pier at the foot of Twenty-second street, North river.

The Engineer-in-Chief returned Secretary's Order No. 13503.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending January 17, 1894, amounting to \$8,182.31, which was received and ordered to be spread in full in the minutes, as follows :

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1894.					1894.
Jan. 10	James J. Herbert.....	1 qrs. rent bhd. bet. 103d and 104th sts., E. R.....	\$125 00		
" 10	Eckmeyer & Co.....	Testing cement.....	10 00		
" 10	Central R. R. of New Jersey..	11 days rent Pier foot of 15th st., N. R.	331 50		
" 10	Prov. and Stonington S. S. Co.	4 mos. and 26 days rent extension to Pier, new 36, N. R.....	1,779 34		
" 13	International Nav. Co.....	2 mos. rent Pier, new 43, N. R.....	4,000 00		
" 13	Van Tassell & Kearney.....	Sale of old material.....	93 83		
" 15	W. R. Grace & Co.....	Testing cement.....	10 00		
" 16	John H. Starin.....	Repairs to Scow " R ".....	20 76		
" 16	George A. Woods ... ..	Wharfage, District No. 2, N. R.....	188 93		
" 16	Edward Abeel.....	" 4, " .....	378 55		
" 16	B. F. Kenney.....	" 6, " .....	10 67		
" 16	William B. Osborne.....	" 8, " .....	97 61		
" 16	James J. Fleming.....	" 10, " .....	178 30		
" 16	Thomas P. Walsh.....	" 12, " .....	30 00		
" 16	Henry A. Palmstine. ....	" 1, E. R .....	37 90		
" 16	Charles S. Coye.....	" 3, " .....	246 25		
" 16	James A. Monaghan.....	" 5, " .....	248 37		
" 16	Joseph F. Meehan.....	" 7, " .....	96 75		
" 16	Maurice Stack.....	" 9, " .....	106 00		
" 16	James W. Carson.....	" 11, " .....	91 9		
" 16	John J. Martin.....	" 13, " .....	20 96		
				\$8,182 31	Jan. 16.
				\$8,182 31	\$8,182 31

Respectfully submitted,  
  
JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of nineteen bills or claims amounting to \$2 which were approved and audited and ordered to be spread in full on the minutes as follow

Construction Account.

Audit No.	Name.	Amount.
13876.	H. P. Sheridan, rip-rap.....	\$1,469 04
13877.	Isaac Hall's Son, anchors.....	163 08
13878.	Heipershausen Brothers, towing.....	278 75
13879.	John Early & Co., shovels, etc.....	124 00
13880.	F. W. Devoe & C. T. Raynolds Company, leveling rods.....	39 60
13881.	Frank M. Coffin, augers, etc.....	87 94
13882.	Greenlie, Wyatt & Co., iron.....	79 78
13883.	William Gaskell & Son, bolts.....	15 21
13884.	John A. Roebling's Sons Company, steel rope.....	15 21
13885.	E. G. Soltman, tracing cloth, etc.....	140 00
13886.	Nelson H. Salisbury, assignee, pine.....	78 96
13887.	Abraham Steers, lumber, etc.....	130 29
13888.	Morris & Cumings Dredging Company, dredging..	704 59
13889.	Alexander Pollock, shovels, brooms, etc.....	164 00
13890.	Milliken Brothers, covering sand and stone bins.....	1,640 00
13891.	James D. Leary, repairs to derrick.....	349 27
13892.	John W. Flaherty, Estimate No. 3, and final Contract No. 434 ...	23,276 51
		<hr/> \$2

General Repairs Account.

13893.	Thomas Kelly, services horse, cart, etc.....	\$210 00
13894.	Morris & Cumings Dredging Company, dredging.....	492 38
		<hr/>
	Total.....	<hr/> \$2

Respectfully submitted,

ANDREW J. WHITE, }  
JAMES J. PHELAN, } Auditing Committ

The action of the President, in transmitting the same with requisitions for the amou Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estima
13877.	Rip-rap stones.....	
13878.	Ironwork.....	
13879.	Diver's helmet and collar.....	
13880.	Portland cement.....	
13881.	Spruce.....	
1.	White oak fender-piles.....	

Engine No.	For What.	Estimated Cost.
1783.	Services of horse, cart and driver .....	\$105 00
1784.	Spruce.....per M.	21 00
1785.	Tests of rope.....	48 00
1786.	Thermometers.....	45 00
1787.	Dredging.....	50 00
1788.	Tees, elbows, etc.....	37 50
1789.	Ironwork.....	1,429 21
1790.	Stove, etc.....	13 00
1791.	Services of horses, carts and drivers.....per day	3 50
1792.	Repairs to pile-driver engine.....	15 00
1793.	Services of tugs.....per hour	5 00

The Treasurer reported that he had received estimates for furnishing the Department with piles, coal, spruce and rip-rap stone as follows :

*About 175 Sound and Straight Piles, 80 to 85 Feet Long.*

Charles N. Kimpland.....	\$2,250 00
E. Mors & Co.....	2,450 00
William Taylor.....	2,800 00
Graves & Steers.....	2,782 50
W. H. Beard.....	2,975 00
H. M. Loud.....	3,368 75

*About 225 Gross Tons Anthracite Egg Coal.*

David Duncan & Son.....per ton	\$4 04
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*About 140,422 Feet, B. M., 4 by 10 Inches Spruce.*

Graves & Steers.....	\$20 90 per M.
J. M. Motley.....	20 95 "
Bell Brothers .....	21 00 "
East River Mill and Lumber Company.....	21 00 "
Willson, Adams & Co.....	21 00 "

*About 180 White Oak Fender Piles, about 60 Feet Long.*

Alfred J. Murray.....	\$0 21 per lineal foot.
Graves & Steers .....	0 23 $\frac{7}{8}$ "
William Taylor.....	0 25 "

*About 2,000 Cubic Yards of Rip-rap Stone.*

H. P. Sheridan.....	\$0 31 per cubic yard.
Brown & Fleming.....	0 33 "

The action of the Treasurer in awarding the orders to Charles N. Kimpland, David Duncan & Son, Graves & Steers, Alfred J. Murray and H. P. Sheridan, they being the lowest bidders, approved.

On motion, the following resolution was adopted :

Resolved, That the agreement made between the majority of this Board, at the regular meeting held November 16, with the Morris & Cumings Dredging Company, to do the work re this Department in the improvement of the water-front on the North, East and Harlem one year from that date, be and is hereby rescinded.

The Secretary reported that the pay-rolls for the General Repairs and Construction for the week ending January 12, 1894, amounting to \$12,938.34, had been approved and authorized and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

The Board then met in executive session.

The communication from David H. Lane and John W. Ingalls, Clerks, and Effingham V. Smith, Timekeeper, requesting an increase of salary, was received, and

On motion, the following resolution adopted :

Resolved, That the compensation of David H. Lane and John W. Ingalls, Clerks, and Effingham V. Smith, Timekeeper, be fixed at the rate of one thousand two hundred dollars per annum to take effect February 1, 1894, subject to Civil Service rules.

On motion, Thomas Niblo, Deckhand, was suspended for three days for absence from duty; Patrick Magner, Laborer, discharged, and Thomas P. Doran, Caulker, changed to Laborer.

The following persons were appointed :

	<i>Laborers.</i>	
Patrick Kelly.		James Smith.

On motion, the Board adjourned until 1 o'clock P. M., and then proceeded to consider estimates for repairing the Pier at West Forty-fourth street, North river, under Contract No. 1, a representative of the Comptroller being present.

Six estimates were received as follows :

1. John W. Flaherty, with security deposit, \$200 .....	
2. P. Sanford Ross, " 200 .....	
3. Spearon & Preston, " 200 .....	
4. Barth. S. Cronin, " 200 .....	
5. John D. Walsh, " 200 .....	
6. William H. Jenks, " 200 .....	

motion, The Secretary was directed to transmit to the Comptroller the security deposits made by bidders and accompanying their estimates, whereupon the following resolution was adopted :  
Resolved, That the contract opened this day for repairing the Pier at the foot of West Forty-first street, North river, be and hereby is awarded to Barth. S. Cronin, he being the lowest bidder, with the approval of the sureties by the Comptroller.

motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board of Docks, Pier "A," Battery place, Thursday, January 25, 1894, at 11 o'clock A. M.

Present—Commissioner Phelan.

“ “ White.

Absent—President Cram.

The minutes of the meeting held on the 18th instant were read and approved.

Simon Stevens, attorney, appeared before the Board and requested an extension of time for closing of the contract entered into by the executors of the estate of Moses Taylor, deceased, on December 14, 1893, for the sale to the city of certain wharf property in the vicinity of Old slip, East river.

On motion, the time was extended until May 2, 1894, and the officers of the Board authorized to execute an agreement to that effect.

John Whalen, attorney for the Hoboken Ferry Company, appeared and renewed the application of said company of the 18th instant for permission to build the bulkhead wall between Barclay and Vesey streets, North river.

On motion, the following resolution was adopted :

Resolved, That, if the Commissioners of the Sinking Fund approve, permission be and hereby is granted the Hoboken Ferry Company to extend the bulkhead-line of the property owned by said company, between Barclay and Vesey streets, extending along the westerly side of West Twelfth street, from the south line of Pier, old 25, to the north line of Pier, new 15, North river, in conformity with the plan adopted by this Department, at the cost and expense of the said company, under the supervision of the Engineer-in-Chief, as provided for in section 715 of the New York City Consolidation Act of 1882, as amended by chapter 397 of the Laws of 1893 ; provided, however, the said Hoboken Ferry Company shall, within ten days from the receipt hereof, file in office its written acceptance of the terms and conditions of this resolution.

Upon the request of a representative of Babcock, Lary & Co., the hearing respecting the preamble and resolution adopted January 4, 1894, was postponed for one week.

The following communications were referred to the Engineer-in-Chief to examine and report:

From the Department of Public Works—Requesting a suspension of the work of filling in the foot of Fifty-fifth street, North river.

From Dock Master Kenney—Reporting that the bulkhead between Nineteenth and Twentieth streets, North river, requires grading and string piece raised.

From Campbell, Nicholls & Gwyer—Requesting a statement of repairs required to the bulkhead between West Twelfth and Bethune streets.



From John F. Doyle & Sons—In reference to certain repairs to the pavement at the approach to Pier 15, East river.

From George Hilliard—Stating that the scale foot of Stanton street, East river, does not interfere with the work of the Department.

The following permits were granted, to continue only during the pleasure of the Board :

Joseph Cornell—To berth the steamer "Minnie Cornell," at Pier, old 57, North river.

Stewart & McDermott—To place excavation from the sewer on the bulkhead foot of West Thirtieth street, the material to be removed within twenty-four hours.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

John R. McPherson—To repair the pile platform between Thirty-ninth and Fortieth streets, North River.

New York and Northern Railway Company—To repair the bulkhead platform on the west side of Pier 40, East river.

John U. Brookman—To dredge in front of the bulkhead between Eighteenth and Nineteenth streets, East river.

White Star Line, Lessee—To erect seven cargo derricks on the north side of Pier, new 38, North river.

The following communications were received, read and,

On motion, ordered to be placed on file :

From his Honor the Mayor—In reference to furnishing employment for the working people of the City during the winter.

From the Counsel to the Corporation—Approving form of Contract No. 462, for furnishing about 1,200 tons of anthracite coal.

From the Finance Department—In reference to the substitution of surety on Contract No. 463.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted to the substitution of Alfred J. Murray in the place of John Fleming, on estimate of Barth. S. Cronin, for repairing the Pier foot of West Forty-fourth street, under Contract No. 463.

From the Department of Public Works :

1st. Stating that it is the intention of said Department to pave Thirteenth avenue, between Twenty-seventh and Twenty-eighth streets, upon the adoption of the necessary ordinance. Request said Department to raise the grade of the pavement on Thirteenth avenue for an area of about 150 square yards south of Pier, new 57, North river.

2d. Requesting the raising of the grade of the bulkhead foot of One Hundred and Thirtieth street, from Fifth avenue to the Harlem river. The Engineer-in-Chief directed to do necessary work.

From the White Star Line—Requesting information as to the building of Piers, new 48 and 49, North river. The Secretary directed to reply.

From Russell & Deery—Requesting an extension of sixty days in which to vacate premises on Twelfth avenue, between Fifty-first and Fifty-second streets. Application granted.

From Patrick M. Mallon—Complaining of a small house west of the railroad track south of West Seventy-ninth street. Notify the occupant to remove within thirty days.

From the Pennsylvania Railroad Company—Accepting the terms and conditions of the resolution adopted on the 11th instant relative to the improvement at Vestry street, North river; subject to an agreement to be hereafter made.

From Dock Master Kenney :

1st. Reporting cleaning and repairs required to the bulkhead between Bethune and Bay streets and repairs required to the bulkhead between Fourteenth and Fifteenth streets, North river. Owners notified to clean and repair.

2d. Reporting obstructions on the bulkhead adjoining Fourteenth Street Ferry, North river. The Glasco Ice Company directed to remove.

From Dock Master Abeel :

1st. Reporting repairs required to Piers, new 43 and old 54, North river, and the easterly end of the West Tenth street approach. The Engineer-in-Chief directed to repair.

2d. Reporting obstructions on the new made land between Piers, new 42 and 43, North river, belonging to the International Navigation Company. The Dock Master directed to remove.

From Dock Master Coye—Reporting adversely on the application of George Hayes of 18th instant, for a permit for a coal-hoist on Pier 43, East river. Application denied.

From the Engineer-in-Chief :

1st. Report for the week ending January 20, 1894.

2d. Reporting that the Pier foot of West Twelfth street requires cleaning. Lessee directed to clean.

3d. Reporting repairs required to Pier 56, East river. The Brooklyn and New York Ferry Company notified to repair the south half in conjunction with repairs to be made by the City to the north half of said Pier.

4th. Reporting that the bulkhead between Perry, Charles and West Tenth streets requires cleaning. The Engineer-in-Chief directed to clean.

5th. Submitting specifications and form of contract for furnishing sawed spruce timber, manila rope and other cordage. Approved, subject to the approval of the Counsel to the Corporation as to form, and the Secretary directed to advertise for estimates.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13399. Partial report respecting repairs to the Pier at West Nineteenth street.

No. 13378. As to the amount of dredging done at the various dumping boards of the Department of Street Cleaning since December 5, 1893.

No. 13291. Submitting cost of taking up and relaying the pavement in front of Pier, new 41, North river. The Treasurer authorized to collect from Gustave Muller.

No. 13414. Submitting the cost of repairing Pier, new 22, North river, damaged by the ferry-boat "Newburgh." The Treasurer authorized to collect from the West Shore Railroad Company.

No. 13447. Submitting cost of repairs to Pier, new 19, North river, damaged by the ferry-boat "Susquehanna." The Treasurer authorized to collect from the New York, Lake Erie and Western Railroad Company.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13400. Building two temporary gangways on each side of Pier, new 36, North river.

No. 13456. Dredging at the dumping-board foot of West Thirtieth street.

No. 13475. Repairs to the outer end of Pier, old 41, North river, damaged by the ferry-boat "Hudson City."

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13489. Tested one barrel of Portland cement for James Symington.

No. 13492. Tested one barrel Portland cement for Eckmeyer & Company.

No. 13513. Tested one barrel of Portland cement for W. R. Grace & Company.

No. 13522. Surveyed and marked the line of original high-water mark, according to Randall's map, between Seventy-fifth and Seventy-sixth streets, East river.

The report of the Engineer-in-Chief on Secretary's order No. 12018, together with his report as to the cost of widening the "Washington Pier" was placed on file and the following resolution adopted :

Resolved, That the Counsel to the Corporation be and is hereby requested to prepare a lease of Pier, new 14, North river (Washington Pier), to the International Navigation Company, at a rental of sixty-three thousand and forty-seven dollars and eighty-three cents (\$63,047.83) per annum, commencing January 1, 1894, in accordance with the resolutions of this Board dated January 28 and April 28, 1892.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending January 24, 1894, amounting to \$1,939.52, which was received and ordered to be spread in minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL
1894.				
Jan. 19	Atlas Cement Company.....	Testing Cement .....	\$10 00	
" 22	" .....	" .....	10 00	
" 23	George A. Woods.....	Wharfage, District No. 2, N. R.....	105 80	
" 23	Edward Abeel.....	" 4, " .....	177 84	
" 23	B. F. Kenney.....	" 6, " .....	64 32	
" 23	W. B. Osborne.....	" 8, " .....	187 19	
" 23	James J. Fleming.....	" 10, " .....	148 50	
" 23	Thomas P. Walsh... ..	" 12, " .....	19 50	
" 23	H. A. Palmstine.....	" 1, E. R.....	108 05	
" 23	Charles S. Coye.....	" 3, " .....	204 41	
" 23	James A. Monaghan.....	" 5, " .....	574 95	
" 23	Joseph F. Meehan.....	" 7, " .....	77 52	
" 23	Maurice Stack.....	" 9, " .....	191 00	
" 23	James W. Carson.....	" 11, " .....	28 90	
" 23	John J. Martin.....	" 13, " .....	31 54	
			\$1,939 52	\$1,939 52

Respectfully submitted,  
JAMES J. PHELAN, Treasurer

The Auditing Committee presented an audit of eight bills or claims, amounting to \$1,939.52, which were approved and audited and ordered to be spread in full on the minutes, as follows :

*Acquired Property Account.*

Audit No.	Name.	Amount.
13895.	John S. McLean, 75 feet $\frac{3}{4}$ inch north of Morton street.....	\$37,531 25
"	75 feet $\frac{3}{4}$ inch (including costs, interest, etc.) south of Barrow street.....	66,536 13
"	25 feet $\frac{1}{4}$ inch (including costs, interest, etc.) north of Morton street.....	22,435 15
13896.	Francis S. Halsted and J. M. Halsted, Interest on \$37,530.25 from July 8, 1893, to January 23, 1894, at 4 per cent., judgment of John S. McLean.....	

[JANUARY 25, 1894.]

1897. Francis S. Halsted et al., Interest on \$37,531.35 from January 1, 1876, to July 8, 1893, at 4 per cent., (judgment of John S. McLean).....	\$26,301 06
1898. John G. Wendel, 25 feet $\frac{1}{4}$ inch north of Morton street.....	22,435 15
1899. Frank A. Irish, attorney, costs, referee's fees, etc., in judgment of John S. McLean.....	1,888 65
1900. Thomas Lenane et al., 40 feet north of Spring street, including costs, interest, etc.....	34,706 90

*Construction Account.*

1901. Matthew Baird, Estimate No. 1, Contract No. 412.....	\$26,079 43	
1902. H. M. Loud Estimate No. 3, Contract No. 456..	21,463 65	
	<hr/>	47,543 08
		<hr/>
		<u>\$260,190 54</u>

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
1894. Piles.....		\$3,400 00
1895. Yellow pine.....		133 00
1896. Dredging.....		4,687 50
1897. ".....		1,480 00
1898. Rubber gaskets.....	per lb.	1 00
1899. Machine bolts.....		90 00
1900. Pinion, etc.....		15 00
1901. Steel pinions.....		180 00
1902. Rip-rap stone.....		700 00
1903. Egg coal.....		150 00
1904. ".....		250 00
1905. Armature plate, etc.....		50 00
1906. Kerosene oil.....		27 50
1907. Manila rope.....		105 00
1908. Portland cement.....	per bbl.	2 08
Requisition No.		
618. Renewal of typewriter....		<u>\$57 50</u>

The Treasurer reported that he had received estimates for furnishing the Department with piles and iron work, as follows :

*About 350 Sound and Straight Pine, Spruce or Cypress Piles, from 70 feet to 85 feet long.*

	70 TO 75 FEET EACH.	75 TO 80 FEET EACH.	80 TO 85 FEET EACH.
J. L. Mumford & Sons.....	\$10 25	\$11 00	\$12 75
W. H. Beard.....	14 50	14 50	14 50
Graves & Steers.....	12 50	14 50	15 50
William Taylor.....	13 05	15 45	19 65
Alfred J. Murray.....	10 50	11 25	13 00
Charles M. Kimpland.....	14 00	14 00	14 00
E. Mors & Co.....	13 49	13 49	13 49
H. M. Loud.....	11 90	11 90	11 90

*About 46,058 Pounds of Wrought Iron and 17,140 Pounds of Cast Iron.*

Peter Timmes' Son.....	\$1,336 95
Alex. Pollock.....	1,396 65
H. B. Newhall Company.....	1,410 35
John Loyd.....	1,421 95
Greenlie, Wyatt & Co.....	1,447 25
Milliken Bros.....	1,627 85
Robert Deeley & Co.....	1,689 65

The action of the Treasurer in awarding the orders to J. L. Mumford & Sons and Peter Timmes' Son, they being the lowest bidders, approved.

On motion, the following preamble and resolution were adopted :

Whereas, This Department desires to improve the water-front, in accordance with the "New Plan" duly adopted in 1887, between Ninetieth and Ninety-first streets, on the East river, where the land under water has been granted by the city to J. L. Brown, by a deed dated on the 7th day of April, 1869, which deed contains a clause saving and reserving so much of the premises granted as may form any part of any street or streets that may be laid out through said premises according to law ;

Resolved, That the Counsel to the Corporation be and hereby is requested to advise this Board how much, if any, of the area of said water-grant it is necessary for the Department to purchase in order to proceed with the improvement of the water-front between Ninetieth and Ninety-first streets on the East river.

secretary reported the pay-rolls for the General Repairs and Construction force for the 7 January 19, 1894, amounting to \$13,244.38, had been approved and audited and to the Finance Department for payment.

tion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

ard then met in executive session.

lowing communications were received, read and,

tion, ordered to be placed on file :

re New York City Civil Service Boards :

specting the examination of David H. Lane and John W. Ingalls, Clerks, for promotion d grade of clerkships. The Secretary directed to state that they will appear for

mitting a list of persons eligible for appointment as Chainmen.

tion, the following resolution was adopted :

d, That Montrose Churchill, Felix C. Stehle, Thomas J. Cronin, James M. Clancy, Reilly, Charles W. Thompson, Perry Thompson, Stephen A. D. Denton, John T. James C. Darby, who have been certified to by the Civil Service Boards as eligible for t, be and they are hereby appointed Chainmen on probation, with compensation at the n dollars per week, to take effect January 27, or as soon thereafter as they may report

gineer-in-Chief recommended that Laborers Dennis O'Brien and James Feeney be

on, said Feeney and O'Brien were directed to be restored to duty.

owing persons were appointed :

*Laborers.*

Ward,

A. R. Whiting,

G. W. Shaffer.

ard opened estimates this day, at 11 o'clock A. M., for furnishing and delivering about anthracite coal under contract No. 462, and for furnishing about 8,000 barrels of Portland r contract No. 464, a representative of the Comptroller being present.

Four estimates were received for anthracite coal as follows :

1st. David Duncan & Son, with security deposit, \$100.....	\$4 27 per t
2d. Moquin & Offerman, " 100.....	4 18 "
3d. William D. Bruns, " 100.....	4 30 "
4th. George W. & William F. Winant, " 100 .....	4 33 "

Three estimates were received for Portland cement as follows :

	QUICK SETTING, PER BARREL.	SLOW SETTING, PER BARREL.
1st. James Brand, with security deposit, \$350.....	\$2 08	\$2 15
2d. Atlas Cement Company, with security deposit, \$350.....	1 82	1 82
3d. Arthur C. Babson, with security deposit, \$350.....	2 30	2 30

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolutions were adopted :

Resolved, That the contract opened this day, for furnishing and delivering about 1,200 tons of anthracite coal be and hereby is awarded to Moquin & Offerman, they being the lowest bidder upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for furnishing about 8,000 barrels of Portland cement be and hereby is awarded to the Atlas Cement Company, they being the lowest bidder upon the approval of the sureties by the Comptroller.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery Place, Thursday, February 1, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held January 25, 1894, were read and approved.

A representative of Simon Sterne, Attorney for the Hudson Tunnel Railway Company, was present and requested that an extension of time be granted said company, in which to vacate the premises south of Pier, new 42, North river.

On motion, the time was extended thirty days, from February 1, 1894.

A representative of Babcock, Lary & Company was present and was heard respecting the preamble and resolution adopted January 4, 1894.

James A. Wright, Jr., representing the International Navigation Company, was present and protested against the amount of rental charged his company for widening the Washington Pier.

On motion the matter was referred to Commissioners Phelan and White.

The communication from Kane and Wright, requesting permission to use and occupy a berth on the north side of Pier 61, East river, for loading manure, was tabled until February 8, 1894.

The communication from the Wholesale Lumber Dealers and others respecting the lack of wharfage facilities on the North river, between Twentieth and Thirty-fourth streets, and requesting the building of a pier foot of West Twenty-third street, was taken from the table, placed on file and the following resolution unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a new pier on the northerly side of West Twenty-third street, extended, in accordance with the lines therefor, now adopted, or that may hereafter be adopted, with a sewer-box underneath the same, and extending through the bulkhead or river wall ; and that all the work hereby ordered be performed otherwise than by contract, as provided by Section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department, by day's work, except so much of the labor as is now or may hereafter be contracted for, and that all the material, tools, implements and dredging necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

The following communications were referred to the Treasurer :

From Joseph Cornell—For permission to occupy for one year from February 1, 1894, the south side of Pier, old 57, North river, for steamboats engaged in the transportation of market produce, together with the report of the Dock Master in relation thereto.

From the Engineer-in-Chief—Reporting the erection, without a permit, of a small crib at One Hundred and Twenty-sixth street, North river.

From Lawrence Price—Requesting permission to berth the steamer “Anata,” at the Pier foot of West Thirteenth street.

From Oliver Bryan—Respecting the purchase of the property near the foot of East One Hundred and Fourteenth street.

The communication from the Superintendent of Buildings, asking that a meeting be arranged with the Examiners of his Department, with a view of improving the construction of piers, was referred to the Engineer-in-Chief.

The communication from Van Orden Brothers, complaining of trucks stored on the bulkhead foot of Perry street, North river, was referred to the Dock Master.

The following permits were granted to continue only during the pleasure of the Board ; the work to be done under the supervision of the Engineer-in-Chief :

Baltimore and Ohio Railroad Company, lessee—To erect a temporary office and storeroom nine feet long and six feet wide on Pier new 22, North river.

Audubon Yacht Club—To place a boat-house and float foot of West One Hundred and Fifty-third street ; compensation to be fixed by the Treasurer.

The following permits were granted on the usual terms :

Consolidated Gas Company—To extend suction pipe through the bulkhead foot of West Nineteenth street.

Providence and Stonington Steamship Company—To repair service-pipe in front of Pier, new 36, North river.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Approving forms of Contracts Nos. 463 and 465.

2d. Requesting a requisition and voucher for \$104.30 expenses incurred in examining the title to the premises involved in the suit of Lenane et al. vs. the Mayor, on the westerly side of West 1 street, between Spring and Charlton streets, William K. Hall, \$400, and a voucher for \$362.20 expenses incurred in examining the title to the premises on the westerly side of West street, between Morton and Barrow streets. The Chief Clerk directed to make requisition.

From the Finance Department :

1st. Approving sureties on Contract No. 463.

2d. Requesting information respecting the claim of James D. Leary for wharfage and repairs to the derrick “City of New York.”

3d. Requesting a map showing the lines of the proposed purchase from the Central Railroad Company of New Jersey, in accordance with the resolution of November 29, 1893. The Engineer-in-Chief directed to furnish same.

From the Police Department—Reporting the dumping of snow on Pier, new 22, North river, and bulkhead foot of Canal street.

On motion, the Police Department were requested to detail an officer on the piers and bulkheads designated at which snow and ice may be dumped overboard, for the purpose of preventing dumping on the surface of said piers and bulkheads.

From the Department of Street Cleaning—Recommending the laying of a plank in the space left as a gutter on the runway at Canal street dump. The Engineer-in-Chief directed to do the necessary work.

From Matthew Stripp—Requesting permission to occupy a portion of the bulkhead south of the "Washington Pier." Application denied.

From Harry C. Green—Complaining of a large spar in the slip foot of Pike street, East river. The Engineer-in-Chief directed to remove.

From St. John's Guild—Requesting a berth for the "floating hospital." Permit granted to occupy a berth, during the pleasure of the Board, at One Hundred and Fortieth street, Harlem river.

From the Quartermaster-General United States Army—Requesting information respecting the erection of an iron shed on Pier 19, East river. Notify him that permits for such structures are only issued to lessees.

From Spearon & Preston—Requesting an extension of time until February 5, 1894, to complete the building of a dumping-board on Pier 42, North river. Time extended as requested.

From Dock Master Fleming—Reporting the removal of obstructions from the Pier at West Forty-fourth street.

From Dock Master Coye—Reporting the sinking of the canal boat "Bertha," on the 29th instant, at Pier 44, East river. Owners notified to remove.

From Dock Master Kenney :

1st. Reporting damage to the Pier at West Twentieth street by the steamer "State of Nebraska." The Engineer-in-Chief directed to repair.

2d. Reporting that the bulkhead south of Bethune street, North river, requires cleaning and repairs. The Engineer-in-Chief directed to do the necessary work.

From Commissioners White and Phelan—Reporting as to the communication from James Deering, submitting an amended copy of a proposed act for the arrangement of the docks between Twenty-ninth and Ninety-sixth streets, North river. Report approved.

From the Engineer-in-Chief:

1st. Report for the week ending January 27, 1894.

2d. Reporting repairs required to the boat landing at the foot of East Fifty-second street, and the pavement between Duane street and the northerly line of Pier, new 21. The Engineer-in-Chief directed to repair.

3d. Reporting the dumping of snow on Pier, new 29, and the Piers at East Third and Tenth streets, East river. Send copy to the Department of Street Cleaning.

4th. Submitting specifications and form of contract for steam-fittings, wrought-iron and steel tools, and pier-iron. Approved, subject to the approval of the Counsel to the Corporation, and the Secretary directed to advertise for estimates.

5th. Recommending the building of a pier foot of East One Hundredth street.

On motion, the following resolution was unanimously adopted:

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a new pier at the foot of East One Hundredth street, East river, within the established lines for the same; and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidated Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as may hereafter be contracted for, and that all the materials, tools and dredging necessary heretofore and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

6th. Recommending the building of an elevated platform for mixing concrete and concrete stone, sand, etc., at West Fifty-seventh street yard.

On motion, the following resolution was unanimously adopted.

Resolved, That the Engineer-in-Chief be and hereby is directed to enlarge and extend the facilities for the work of construction under the new plan, at the West Fifty-seventh Street Yard, by building a concrete mixing platform about twenty-five feet wide and two hundred and thirty feet long, with a storage compartment under it, and also elevated bins about one hundred and thirty-one feet long and thirty-six feet wide, for the reception of broken stone for concrete, sand and other materials similar to the concrete mixing platform and elevated bins at the Twenty-fourth Street Yard, and to build or place in connection with the same, all the necessary foundations, sheds, shops, cranes, derricks, engines, motors and all other tools, implements, tenances and appliances proper and necessary for the purpose; and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidated Act of 1882.

Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools, implements, appurtenances and appliances necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13504. Recommending the fencing off of the bulkhead platform foot of One Hundred and Fifty-fifth street, Harlem river. Recommendation adopted.

No. 13224. As to the application of the Department of Public Charities and Correction, for a landing place for their new steam launch.

On motion, the permit granted Neidlinger, Schmidt & Co., to use the bulkhead platform foot of East Sixty-fourth street was revoked, and the Engineer-in-Chief directed to erect thereat a landing place for said Department.

No. 13317. Submitting plans, specifications and form of contract for a movable two-ton steam truck. Approved, subject to the approval of the Counsel to the Corporation as to form and the Secretary directed to advertise for estimates.

No. 13462. That the F. & M. Schaefer Brewing Company do not intend to avail themselves of the permission to construct a small crib, between Fifty-first and Fifty-second streets, North river. Permit granted December 28, 1893, revoked.

No. 13521. Respecting the request of John D. Dailey, that no action be taken toward closing the gap at Riker's Island.

On motion, the action of the contractor in suspending work on Contract No. 449 was approved, and the time for the completion of said contract extended to May 1, 1894, provided the written consent of the sureties is filed in this Department.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's orders :

No. 11604. Erection of an iron and wood structure foot of Eighth avenue, Harlem river, by the Manhattan Railway Company.

No. 13365. Repairs to Pier and approach at Thirty-seventh street, East river, by the lessees.

No. 13421. Erection of the dumping-board on the bulkhead about fifty feet south of Ninety-seventh street, North river.

No. 13433. Removal of telephone and telegraph cables from the slip south of Pier, new 14, North river (Washington Pier), by the Postal Telegraph Company.

No. 13484. Repairing the weighhouse at West Eleventh street by the Commonwealth Ice Company.

No. 13490. Replacing a loose pile on the northeast corner of Pier, new 57, North river, by the lessee.

No. 13491. Repairing a loose pile on the southeast corner of Pier, new 59, North river, by lessee.

No. 13512. Dredging on the north side of Pier foot of Thirty-sixth street, North river, by New York Central and Hudson River Railroad Company.

The Engineer-in-Chief reported that the following work had been done by the force of Department under Secretary's Orders:

No. 13405. Repaired the quarry dock, west side of Blackwell's Island.

No. 13502. Repaired the Pier at Thirty-eighth street, East river.

The Engineer-in-Chief returned Secretary's Orders Nos. 13032, 13230, 13483 and 13548.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending January 31, 1894, amounting to \$6,578.78, which was received and ordered to be spread in on the minutes as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	Dr De It.
1894.					18
Jan. 25	T. E. Crimmins.....	Filling in bet. 23d and 24th sts., N. R., O5001 to 7500.....	\$500 00		
" 25	Thomas Smith.....	Filling in bet. 25th and 26th sts., N. R., O7501 to 10000....	250 00		
" 27	Riverside and Fort Lee Ferry Company.....	1 qrs. rent, south side Pier at 131st st., and bhd. bet. 130th and 131st sts., N. R.....	125 00		
" 27	Riverside and Fort Lee Ferry Company.....	" bhd. pfm. at 130th st., N. R.	010 00		
" 30	George A. Woods.....	Wharfage, District No. 2, N. R.....	91 50		
" 30	Edward Abeel.....	" 4, " .....	381 78		
" 30	B. F. Kenney.....	" 6, " .....	91 31		
" 30	W. B. Osborne.....	" 8, " .....	145 68		
" 30	James J. Fleming.....	" 10, " .....	123 83		
" 30	Thomas P. Walsh.....	" 12, " .....	64 28		
" 30	H. A. Palmstine.....	" 1, E. R.....	79 03		
" 30	Charles S. Coye.....	" 3, " .....	227 52		
" 30	James A. Monaghan.....	" 5, " .....	132 59		
" 30	Joseph F. Meehan.....	" 7, " .....	99 38		
" 30	Maurice Stack .....	" 9, " .....	86 50		
" 30	James W. Carson.....	" 11, " .....	72 13		
" 30	John J. Martin.....	" 13, " .....	27 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
American Committee, Statute of Liberty.....	1 qrs. rent, float at Battery. ....	\$25 00		
John H. Starin.....	" l. u. w. pfm. bet. Piers, old 18 and 20, N. R.....	300 00		
" .....	" Pier at 32d st., E. R.....	350 00		
" .....	" Pier, new 58, N. R.....	3,125 00		
John H. McCarthy.....	" Pier at 117th st., H.R....	181 25		
			\$6,578 78	Jan. 31
		\$6,578 78	\$6,578 78	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.

e Auditing Committee presented an audit of eighteen bills or claims, amounting to .87, which were approved and audited and ordered to be spread in full on the minutes as :

Name.	Construction Account.	Amount.
Murray & Co., sand.....		\$382 20
S. Stewart, coal.....		240 00
Brown & Fleming, broken stone.....		1,338 00
James Brand, cement.....		2,064 47
Greenlie, Wyatt & Co., spike .....		877 00
David Duncan & Son, coal.....		1,090 80
H. P. Sheridan, rip-rap .....		934 19
The Lehigh Valley Creosoting Company, sewer staves.....		2,500 00
The Metropolitan Telephone and Telegraph Company, telephone service. ....		420 13
James Symington, Estimate No. 3, Contract No. 457.....		10,490 51
		\$20,337 30

Name.	General Repairs Account.	Amount.
Edward McKeever, services, horse, cart, etc.....		\$220 50
Morris & Cumings Dredging Company, dredging... ..		934 13
Thomas Kelly, services, horse, cart, etc.....		105 00
		1,259 63

Construction Account.

Audit No.	Name.	Amount.
13916.	William D. Wheelwright and Charles R. Hewitt, Estimate No. 4, Contract No. 448.....	\$7,196 25
13917.	William Taylor, piles.....	4,832 59
13918.	Colin McLean, Estimate No. 5, Contract No. 449.....	39,675 60
		<u>\$51,704</u>

Acquired Property Account.

13919.	William H. Clark, Counsel to the Corporation, searching title to bulkhead property between Morton and Barrow streets, and north of Spring street, North river.....	\$466 50
13920.	William K. Hall, services examining title to bulkhead property between Morton and Barrow streets, North river.....	400 00
		<u>866</u>
Total...		<u>\$74,167</u>

Respectfully submitted,

ANDREW J. WHITE, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
13909.	Tools and material .....	\$96 50
13910.	Iron and steel.....	45 00
13911.	Egg coal... ..per ton	4 80
13912.	Service of tugs .....	5 00
13913.	Propeller wheel .....	123 00
13914.	Services of dry dock.....	40 00
13915.	Tallow.....	78 70
13916.	Dredging.....	<u>4,687 50</u>

The Secretary reported that the pay-rolls for the month ending January 31, 1894, amounting to \$13,544.49, and the pay-rolls for the General Repairs and Construction force for the week ending January 26, 1894, amounting to \$12,833.11, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



Board then met in executive session.

Following communications were received, read, and

motion, ordered to be placed on file :

From the New York City Civil Service Boards—Reporting that David H. Lane and John W. [unclear], passed the prescribed examination for promotion to second grade of clerkship on the [unclear].

From the Engineer-in-Chief :

Reporting the breaking of the propeller wheel of the tug "Pier," at the bulkhead One Hundred and One Hundred and First streets, East river, on the 25th ultimo.

On motion, Captain Charles Wilson was ordered to appear before the Board Thursday, Feb. 1894, at 11 o'clock A. M., and show cause why he should not be discharged for general incompetency.

Reporting the suspension of Laborers Edward Hogan and Thomas Burns No. 1.

On motion, Edward Hogan was suspended for five days and Thomas Burns No. 1 directed to return to duty.

Recommending that Frank E. Doughty, Inspector of Pier Building, be assigned to duty where his work for him. Recommendation adopted.

Recommending that George Roemer be changed from Diver's Tender to Laborer. Recommendation adopted.

On motion, the Civil Service Boards were requested to submit a list of persons eligible for appointment as Enginemen.

On motion, the Engineer-in-Chief was directed to provide uniforms for boatmen, deckhands, employed by this Department.

On motion, Patrick H. McCullough, Roundsman, was directed to appear before the Board, Friday, February 8, 1894, at 11 o'clock A. M., and show cause why he should not be discharged for neglect of duty.

On motion, the compensation of Thomas F. Cregan and Henry R. McCready, Laborers, was fixed at the rate of \$75 per month, each, and the compensation of Patrick H. Bird at the rate of \$60 per month, to take effect February 3, 1894.

On motion, the following resolution was adopted :

Resolved, That James J. Crosson, who has been certified to by the Civil Service Boards as eligible for appointment to such position, be and hereby is appointed Engineman on probation, with compensation at the rate of thirty-five cents per hour.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, February 8, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 1st instant were read and approved.

Alexander E. Orr, representing the House of Refuge, Randall's Island, appeared and requested dredging at their landing foot of East One Hundred and Twenty-fifth street, and agreed to pay the cost thereof. The Engineer-in-Chief directed to make requisition.

Robert A. Johnson, attorney, appeared and protested against the location of a manure dump lot of East One Hundred and Tenth street.

The application of Matthew Stripp, for permission to occupy a part of the bulkhead between Piers, new 21 and 22, North river, was referred to Commissioners White and Phelan.

The communication from the Providence and Stonington Steamship Company, requesting that the rental of the bulkheads adjoining Pier, new 36, North river, commence January 1, 1894, was referred to the Treasurer.

The application of the Union Stock Yard and Market Company, lessee, for dredging at the Pier foot of West Fortieth street, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

The New York, Lake Erie and Western Railroad Company—To repair their north ferry-rack foot of West Twenty-third street.

C. T. Van Santvoord, lessee—To repair the outer end of the Pier foot of West Twenty-second street.

Screw Dock Company—To repair Pier 39, East river.

The following permits were granted, to continue only during the pleasure of the Board ; the work to be done under the supervision of the Engineer-in-Chief :

Central Railroad Company of New Jersey, lessee—To place a temporary sign on the Pier foot of West Fifteenth street.

Cornelius McMonagle—To transfer the coal-hoisting derrick, donkey-engine, coal-hopper, tally-house and scales from the bulkhead between Piers, new 28 and 29, to Pier, old 42, North river. Compensation to be fixed by the Treasurer.

John Anton—To locate a dumping-board foot of East One Hundred and Tenth street ; compensation to be paid therefor at the rate of \$1,000 per annum, payable at the end of each quarter to the Treasurer.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department :

1st. Approving sureties on Contracts Nos. 462 and 464.

2d. Transmitting certified copy of resolution adopted by the Commissioners of the Sinking Fund, January 19, 1894.

On motion, ordered to be spread in full on the minutes, as follows :

Resolved, That, pursuant to the provisions of section 715 of the New York City Consolidated Act of 1882, the Commissioners of the Sinking Fund do hereby approve of an agreement made and entered into December 26, 1893, by and between the Old Colony Steamboat Company, party of the first part, Charles F. Choate, of Southboro, Massachusetts, party of the second part, and the Mayor, Aldermen and Commonalty of the City of New York, acting by the Department of Docks, party of the third part, for the purchase and acquisition by the said party of the third part of all riparian and wharfage rights and all interests in or appurtenant to the following described premises, to wit : A part of the bulkhead, between Pier, old No. 28, and Pier, old No. 29, North river, the same being measured along the westerly line of West street, as established by law, and running from a point twenty-six feet six inches southerly of the point of intersection of the southerly line of Warren street (extended), with the said westerly line of West street, as established by law, southerly one hundred and fifty-nine feet, more or less, to the northerly line of Pier, old No. 28, North river, for the sum of seventy-nine thousand five hundred dollars (\$79,500) ; provided that the Counsel to the Corporation approves of the title to this property and advises that the City has no interest therein.

3d. Transmitting certified copy of preambles and resolutions adopted by the Commissioners of the Sinking Fund February 6, 1894.

On motion, ordered to be spread in full on the minutes, as follows :

Whereas, The Board of Docks, on December 28, 1893, adopted the following resolution :

“ Resolved, That permission be and hereby is granted the Fulton Market Fish Mongers' Association to make alterations to the Market Building between Piers 22 and 23, East river, by substituting for the wooden posts and joists, iron posts and joists, and for the present wooden doors, sliding iron shutters, the work to be done under the supervision of the Engineer-in-Chief, subject, however, to the approval of the Commissioners of the Sinking Fund.”

And Whereas, The building, premises and wharf property now used and occupied as a fish market by the said association at the said location, are leased to it by the City of New York for a period of twenty-one years, from May 1, 1884, and by the terms of said lease, provision is made for making alterations, additions and improvements, provided the consent of the Commissioners of the Sinking Fund shall be obtained ;

reas, Said association has filed with the Comptroller a statement and specification of said changes and repairs ; therefore

olved, That the same be and hereby are approved, and consent of this Board is hereby to the Fulton Market Fish Mongers' Association to make the said changes and repairs in conformity with the statement and specification as filed.

Transmitting certified copy of resolution adopted by the Commissioners of the Sinking February 6, 1894.

motion, ordered to be spread in full on the minutes as follows :

olved, That the resolution of the Board of Docks adopted January 5, 1894, granting permission to the Hoboken Ferry Company to extend the bulkhead-line of the property owned by said company between Barclay and Vesey streets, extending along the westerly side of West street, from the line of Pier, old 25, to the north line of Pier, new 15, North river, in conformity with plan adopted by that Department, at the cost and expense of said company, under the supervision of the Engineer-in-Chief, as provided for in section 715 of the New York City Consolidation Act of 1882, as amended by chapter 397 of the Laws of 1893, be and the same is hereby confirmed.

from the Police Department—Stating that an officer will be detailed at places designated to prevent the dumping of snow and ice on the surface of piers.

from the Department of Public Charities and Correction—Requesting a suspension of the order of the Board of Docks instant directing the building of a landing place foot of East Sixty-fourth street. Notify the Engineer-in-Chief.

from the Glasco Ice Company—Reporting the removal of obstructions on the bulkhead between Fourteenth Street Ferry and stating that the repairs ordered will be made to said bulkhead.

from Michael Mitchell, lessee—Requesting permission to sublet the Pier foot of West Thirty-fifth street, and submitting the written consent of the sureties.

motion, the following resolution was adopted :

resolved, That permission be and hereby is granted Michael Mitchell, lessee, to sublet to C. Rodgers, so much of the wharfage as may accrue at the Pier foot of West Thirty-fifth street, under and in pursuance of a lease dated June 1, 1892.

from John Peirce—Requesting an extension of time for the furnishing of granite stones under contract No. 455.

motion, the time was extended to March 1, 1894, provided the written consent of the Engineer-in-Chief is filed in this Department.

from John Whalen, attorney for the Hoboken Ferry Company—Accepting the terms and conditions of the resolution adopted on the 25th ultimo to build the bulkhead-wall between Barclay and Vesey streets, North river.

From the Quartermaster's Department, U. S. Army—Requesting permission to erect an iron shed 80 feet long, 15 feet wide and 16 feet high on Pier 19, East river, in the event of a lease being obtained. The Secretary directed to advise that their application as lessee will be granted.

From Dock Master Woods :

1st. Reporting the dumping of ashes, garbage, etc., on Pier, new 15, North river. Transmit copy to the Department of Street Cleaning.

2d. Reporting a slight fire at the Canal Street Dump.

From the Treasurer :

1st. Reporting that the matter of the purchase of the property claimed to be owned by Oliver Bryan was referred to the Counsel to the Corporation to commence condemnation proceedings.

2d. Recommending that the permit granted Thomas Smith, April 13, 1893, to fill in behind the bulkhead-wall foot of East Twenty-fifth street, be revoked, and permission granted Thomas E. Crimmins to complete the filling-in at the rate of ten cents per load. Recommendation adopted.

3d. Recommending that the permit granted Benjamin Griggs, January 4, 1894, to berth the steamer "W. V. Wilson," at Pier, old 57, North river, be revoked, and a permit granted Joseph Cornell for a berth on the south side of said pier during the pleasure of the Board for steamboats engaged in transportation of market produce, at a rental of \$200 per month, payable at the end of each month to the Treasurer, commencing March 1, 1894. Report approved.

From the Engineer-in-Chief :

1st. Report for the week ending February 3, 1894.

2d. Reporting the completion of the work of building a new dumping-board on Pier 42, under Contract No. 459, and recommending that the time for the completion of said work be extended. Time extended to February 7, 1894.

3d. Reporting obstructions on the pavement between Piers, new 22 and 27, North river. The Dock Master notified to remove.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13399. Submitting the cost of replacing and refastening cleat on the Pier foot of East Twenty-eighth street for mooring the ship "New Hampshire." The Treasurer authorized collect.

No. 13555. That the spar complained of by H. C. Green in the slip foot of Pike street, East river, is a protection to the dock and boats passing in and out of the slip.

No. 13553. Submitting maps of the property proposed to be purchased from the Central Railroad Company of New Jersey. Transmit said maps to the Comptroller.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13172. The removal of bricks dumped overboard from the Pier foot of West One Hundred and Thirty-third street, by the scow "Sadie F. Hoagland."

No. 13182. Dredging in front of the bulkhead between Piers, old 5 and 6, North river, by the New York and Baltimore Transportation Company.

No. 13225. Rebuilding the bulkhead from Eighteenth street to the centre line of the block between Nineteenth and Twentieth streets, East river.

No. 13283. Running a cable under deck of Pier foot of East Thirty-eighth street, by the Metropolitan Telephone and Telegraph Company.

No. 13374. Erection of two temporary wooden sheds on the new-made land in front of Pier, new 36, North river, by the lessee.

No. 13443. Repairs to ferry-racks foot of Twenty-third street, North river.

No. 13461. Alterations to fish market buildings between Piers 22 and 23, East river.

No. 13500. Repairs to pavement on the approach to Pier 15, East river.

No. 13507. Dredging north side of Pier foot of Seventh street, East river.

No. 13563. Raising canal boat "Bertha," sunk on the upper side of Pier 44, East river.

No. 13565. Placing a movable building on Pier, new 22, North river, by the lessee.

No. 13566. Taking up and relaying cast-iron water-pipe across Thirteenth avenue on a line parallel with the line of Nineteenth street, through the old wooden bulkhead.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13501. Repaired sheathing on the deck of Pier at Thirty-fourth street, North river.

No. 13526. Tested two samples, "A" and "B" cement, for the Atlas Cement Company.

No. 13532. Raised the bulkhead at One Hundred and Thirty-seventh street, Harlem river, so as to conform with the grade of said street.

The Engineer-in-Chief returned Secretary's Orders Nos. 9961, 13115, 13394 and 13429.

The Secretary reported the tonnage of vessels berthed on the North, East and Harlem rivers during the month of December, 1893, which was ordered to be spread in full on the minutes as follows :

*North River.*

Foreign.....	241,119	
Domestic.....	992,900	
	<hr/>	1,234,019

*East River.*

Foreign.....	26,364	
Domestic.....	519,027	
	<hr/>	545,391

*Harlem River.*

Domestic.....		13,073
<b>Total .....</b>		<hr/> <b>1,792,483</b> <hr/>

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week February 7, 1894, amounting to \$137,454.73, which was received and ordered to be spent on the minutes, as follows :

DATE	FROM WHOM.	FOR WHAT	AMOUNT.	TOTAL
1894.				
Jan. 29	Warner's Portland Cement Manufacturing Company...	Testing cement . . . . .	\$10 00	
" 29	Cedar Hill Ice Company. . .	1 mos. rent bhd. S. Little W. 12th st., N. R. . . . .	125 00	
Feb. 1	G. D. Curtis. . . . .	1 qrs. rent, l. u. w., coal hoist N. side, 36th st., E. R. . . .	62 50	
" 1	New Jersey Steamboat Co. . . .	1 mos. rent Pier 40, N. R. . . . .	1,666 67	
" 1	James Shewan . . . . .	" berth dry dock Stanton st., E. R. . . . .	208 33	
" 1	Cunard S. S. Company. . . . .	1 qrs. rent, Pier, new 40, N. R. . . .	9,125 00	
" 1	Hudson Tunnel Railway Co. . . .	" reclaimed land S. Pier, new 42, N. R. . . . .	500 00	
" 1	N. Y. & Balto. Transport Co. . .	" l. u. w. pfm bet. Piers 6 and 8, N. R. . . . .	100 00	
" 1	Quebec S. S. Co. . . . .	" Pier, new 47, and bhd., N. R. . . . .	5,000 00	
" 1	" . . . . .	1 mos. rent bhd. bet. Piers, new 46 and 47, N. R. . . . .	83 33	
" 1	Bridgeport S. B. Co. . . . .	1 qrs. rent, wharf structure, Pier 35, E. R. . . . .	375 00	
" 1	Pennsylvania Railroad Co. . . .	" Pier at 38th st., N. R. . . . .	2,500 00	
" 1	" . . . . .	" l. u. w. extension to libas. bet. Piers 3 and 6 and widening Piers 4 and 5, N. R. . . . .	5,000 00	
" 1	" . . . . .	" Piers, new 27 and 28, and bhd. bet., N. R. . . . .	13,750 00	
" 1	" . . . . .	" reclaimed land S. Pier, old 1, N. R. . . . .	250 00	
" 1	" . . . . .	" l. u. w. pfm S. Pier 15 and extension west, N. R. . . . .	250 00	
" 1	Associates of the Jersey Co . . .	" S. 1/4 Pier 18 and bhd. adj. N. R. . . . .	2,000 00	
" 1	N. J. R. R. & Trans. Co. . . . .	" l. u. w. pfm N. Desbrosses st., N. R. . . . .	250 00	
" 1	Lehigh Valley Railroad Co. . . .	" Pier, old 56, N. R. . . . .	875 00	
" 1	" . . . . .	" l. u. w. pfm, bet. Piers 2 and 3, N. R. . . . .	137 50	
" 1	" . . . . .	" bhd. foot 43d st., E. R. . . . .	75 00	
" 1	" . . . . .	" bhd. foot 44th st., E. R. . . . .	6 25	
" 1	Central R. R. of New Jersey . . .	" l. u. w. pfm bet. Piers 12 and 13 and 13 and 14 N. R. . . . .	400 00	

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
en & Co.....	1 qrs. rent, bhd. foot 4th st., E. R.....	\$37 50		
" .....	" N. S. Pier at 94th st., E. R.	562 50		
Box and Lumber Co..	1 mos. rent N. $\frac{1}{2}$ Pier at 19th st., N. R.	125 00		
Gillies & Son.....	1 qrs. rent, bhd. bet. 49th and 50th sts., N. R.....	87 50		
idated Gas Company .	" bhd. at 15th st., N. R.....	68 75		
opolitan S. S. Company..	" l. u. w. extension to Pier, old 11, N. R.....	200 00		
" .....	" pfm. N. S. Pier 10, N. R...	187 50		
Charles.....	" pfm. bet. Piers 38 and 39, E. R.....	100 00		
Mail S. S. Company .	" Pier, new 34, and bhd. each side, N. R.....	15,105 74		
Lack. & West. R. R. Co.	" l. u. w. pfm. bet. Piers 18 and 19, N. R.....	375 00		
Van Santvoord.....	" Pier at 22d st., N. R.....	3,129 82		
Neidlinger.....	" bhd. at 63d st., E. R.....	120 00		
E. Ward & Co.....	1 mos. rent l. u. w. pfm. bet. Piers 16 and 17, E. R.....	147 86		
& Cuba Mail S. S. Co ..	1 qrs. rent, E. $\frac{1}{2}$ Pier, old 18, E. R. ..	2,375 00		
r Ramsdell.....	" Pier, new 24, N. R. ....	7,171 55		
" Transfer Co..	" Pier at 133d st., N. R.....	300 00		
e H. Penniman.....	" l. u. w. widening and extension to Pier, old 36, E. R.....	750 00		
Stock Yard & M'k't Co.	" Pier at 58th st., N. R. ....	750 00		
ll & N. Y. Steamboat Co.	" Pier at W. 11th st., N. R..	875 00		
ble Gas-light Co.....	" bhd. at 40th st., E. R.....	37 50		
" .....	" bhd. at 41st st., E. R.....	27 50		
m Stock Yard Co.....	" Pier, etc., at 40th st., N. R.	1,925 00		
lyde.....	" E. $\frac{1}{2}$ Pier 23 and W. $\frac{1}{2}$ Pier 34 and bhd., E. R..	2,000 00		
ominion S. S. Co.....	" bhd. N. and S. Pier, new 26, N. R.....	\$2,525 00		
" .....	" Pier, new 26, N. R.....	8,509 77		
an Tassell.....	" bhd. S. side W. 11th st., N. R.....	462 50		
eamboat Co.....	" Pier, new 1, N. R.....	8,775 00		
s Ward.....	1 mos. rent, bhd., etc., S. 80th st., N. R.....	83 05		
V. Brown. ....	1 qrs. rent, Pier at E. 31st st., E. R....	687 50		
Northern Ry. Co. ....	1 mos. rent, Pier 40, E. R.....	1,041 66		
			\$79,208 30	Feb. 3.



DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
1894. Feb. 5	Pim, Forward & Co.....	1 qrs. rent, Pier, new 55, N. R.....	\$6,250 00	
" 6	H. & A. Allen.....	" Pier, foot 21st st., N. R. . .	6,250 00	
" 6	Comp. Gen'l Trans.....	" Pier, new 42, N. R. ....	11,625 00	
" 6	Ocean S. S. Co.....	" bhd. S. Pier, new 35, N. R.	225 00	
" 6	" .....	" Pier, new 35, N. R. ....	10,172 51	
" 6	George A. Woods.....	Wharfage, District No. 2, N. R. ....	150 65	
" 6	Edward Abeel.....	" 4, " .....	172 57	
" 6	B. F. Kenney.....	" 6, " .....	82 42	
" 6	William B. Osborne.....	" 8, " .....	138 38	
" 6	James J. Fleming.....	" 10, " .....	156 00	
" 6	Thomas P. Walsh.....	" 12, " .....	44 80	
" 6	Henry A. Palmstine. ....	" 1, E. R .....	70 98	
" 6	Charles S. Coye.....	" 3, " .....	353 31	
" 6	James A. Monaghan.....	" 5, " .....	154 92	
" 6	Joseph F. Meehan.....	" 7, " .....	113 01	
" 6	Maurice Stack.....	" 9, " .....	117 30	
" 6	James W. Carson.....	" 11, " .....	31 00	
" 6	John J. Martin.....	" 13, N. R.....	54 10	
				\$58,246 .
			\$137,454 73	\$137,454 .

Respectfully submitted,

JAMES J. PHELAN, Trea

The Auditing Committee presented an audit of twenty-one bills or claims, amounting to \$12,071.60, which were approved and audited and ordered to be spread in full on the following :

Audit No.	Name.	Construction Account.	Amount.
13921.	Greenlie, Wyatt & Co., spikes, bolts, etc.....		\$1,448 29
13922.	James Brand, cement.....		1,007 83
13923.	Heipershausen Bros., towing.....		271 25
13924.	James J. Carey, stove, etc.....		12 28
13925.	Patterson Bros., grindstone, etc.....		30 00
13926.	Alexander Pollock, repairs to pump, etc.....		195 50
13927.	The East River Mill and Lumber Company, lumber.....		205 82
13928.	New York Belting and Packing Company, hose, etc.....		65 00
13929.	J. Henry Haggerty, oil.....		32 00
13930.	A. Schrader & Son, repairs to helmet.....		10 75

[FEBRUARY 8, 1894]

Register No.	Name.	Amount.
13901.	The Carroll Box and Lumber Company, lumber.....	\$88 40
13902.	Bell Brothers, spruce.....	108 36
13903.	Henry B. Newhall Company, bolts, etc.....	92 03
13904.	E. & T. Fairbanks & Co., tests.....	74 00
13905.	Cavanagh & Thompson, rope.....	520 40
13906.	Bouker Contracting Company, cobble and rip-rap.....	2,216 55
13907.	F. W. Devoe & C. T. Raynolds Company, paper.....	41 60
13908.	Alfred J. Murray, piles.....	3,941 25
		<u>\$10,361 31</u>

*General Repairs Account.*

13909.	Morris & Cumings Dredging Company, dredging.....	\$822 52
13910.	Isaac Hall's Son, chain.....	47 20
13911.	Wood & Robinson, spruce.....	840 57
		<u>1,710 29</u>
Total	.....	<u>\$12,071 60</u>

Respectfully submitted,

ANDREW J. WHITE, }  
 JAMES J. PHELAN, } Auditing Committee.

The action of the President, in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost.
13917.	Cant-hook, etc .....	\$179 75
13918.	Canvas and white lead.....	147 50
13919.	Wrenches, etc.....	136 50
13920.	Rubber hose .....	77 50
13921.	Yellow pine piles.....	181 50
13922.	Services of horse, cart and driver .....	210 00
13923.	Iron .....	31 50
13924.	Steam-pipe and belting.....	83 00
13925.	Dredging.....	400 00
13926.	Rip-rap .....	900 00
13927.	Dredging.....	950 00
13928.	Dredging .....	1,875 00
13929.	Dredging.....	2,812 50
13930.	Dredging.....	400 00
13931.	Services of tugs..... per hour	5 00
13932.	Dredging .....	937 50
13933.	Rip-rap.. .....	<u>775 00</u>

The Secretary reported the receipt of \$505 from the employees of the Department as an optional contribution for the poor and distressed of the City, which he was directed to transmit to His Honor the Mayor.

The Secretary reported that the right to dump and fill in behind the bulkhead wall between Rivington and Stanton streets, East river, had been sold this day to Brown & Fleming for \$4,500, they being the highest bidders, in accordance with the following terms and conditions of sale:

DEPARTMENT OF DOCKS,  
PIER "A," BATTERY PLACE, NORTH RIVER, }  
NEW YORK, January 18, 1894.

Messrs. Van Tassell & Kearney, auctioneers, will sell at public auction, in the Board-room, Pier "A," Battery place, in the City of New York, Thursday, February 8, 1894, at 11 o'clock in the forenoon, for and on account of the Department of Docks, the right to dump and fill in behind the bulkhead or river-wall now building between Rivington street and Stanton street, on the East river. Privilege to fill in the said premises will be sold to the highest bidder, and the price for the right or privilege must be paid at the time of sale. The material to be dumped or filled in must be composed of clean ashes, sand, loam, earth, etc., or of stone, if of stone, no piece of stone must be greater than 16 inches in its largest dimensions, and all material must be dumped and filled in only at such times and places and in such manner as shall be directed by the Engineer-in-Chief of the Department of Docks, or such other officer or employee of the Department of Docks as may be designated by him, and all the work of dumping and filling-in must be done under the direction of the Engineer-in-Chief or designated employee.

The estimated quantity to be filled in at the said premises is about 40,000 cubic yards, more or less, but this quantity is approximate only, and the Department is not bound in any way by such estimate, and bidders must satisfy themselves of the quantities required to fill in at the place named, by examination of the premises, or such other means as they may prefer, the intention of the Department being to fill in the whole of the said premises behind the bulkhead or river wall when it is completed and ready to have filling put in behind it.

In case the party who is the highest bidder does not proceed with the work of filling in to the satisfaction of the Board of Docks, the said Board will at once proceed to have the filling in done by other parties in such way and manner as it deems proper.

The auctioneer's fees (\$25) for filling in on the said section must be paid by the highest bidder thereon at the time of sale.

J. SERGEANT CRAM, } Commissioners  
JAMES J. PHELAN, } of the  
ANDREW J. WHITE, } Department of Docks.

The Secretary reported that the pay-rolls for the General Repairs and Construction Force for the week ending February 2, 1894, amounting to \$11,665.13, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the following resolution was unanimously adopted:

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of a new pier at the foot of East Sixtieth street, East river, and of a new pier at the foot of East Sixty-first street, East river, and of a new pier at the foot of East Sixty-second street, East river, within the established lines for the same and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidated

of 1882, and that it be done by the force of the Department by day's work except so much of the labor and material as is now or may hereafter be contracted for; and that all the materials, tools and dredging necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The communication from the Engineer-in-Chief reporting the suspension of Laborer, Acting Watchman Thomas Sheridan, for neglect of duty and recommending his discharge, was ordered on file and said Sheridan discharged.

On motion, the Civil Service Boards were requested to examine William J. Crowley, Chainman, for promotion to the position of Leveler.

Captain Charles Wilson of the tug was present in response to the order of the 1st instant directing him to show cause why he should not be discharged for general incompetency.

Patrick H. McCullough, Roundsman, was present respecting the order of the 1st instant directing him to show cause why he should not be discharged for neglect of duty.

On motion, the said McCullough was directed to appear Thursday, February 15, 1894, at 11 o'clock A. M., in answer to said charge.

The resignation of P. H. A. Treacy, Laborer, was accepted.

The following persons were appointed :

*Laborers.*

Andrew Tuomey.  
Patrick Magner.

William J. Twomey,

William H. Smith.

*Dock Builders.*

Jeremiah Murphy.  
Frank Hanify.  
Arthur D. Porter.  
Philip Peckenham.  
John Benson.  
Dominick Ross.  
John J. Cotter.  
George J. Coyle.  
John Beck.  
Martin Erickson.

John Meade.  
James B. Beirne.  
James Lynch.  
Gilbert Kirk.  
Alfred Mutze.  
John J. Howard.  
Walter H. Brown.  
William Neyland.  
Thomas Kennedy.

James Wilson.  
Harry W. McDougal.  
Patrick H. Reagan.  
Michael Foley.  
Richard Forrester.  
Charles Campbell.  
Daniel Allen.  
John Murphy.  
Peter Rutledge.

The Board opened estimates this day at 11 o'clock A. M., for furnishing and putting in place small cobble and rip-rap stones, and for furnishing and delivering sand and broken stone, under Contract No. 465, a representative of the Comptroller being present.

Seven estimates were received as follows :

	CLASS ONE.	CLASS TWO.	CLASS THREE.	CLASS FOUR.
	Cobble stone per cubic yd.	Rip-rap stone per cubic yd.	Sand per cubic yd.	Broken stone per cubic yd.
John D. McLaughlin, with security deposit, \$35.....	No bid	No bid	\$0 74½	No bid
Hugh P. Sheridan, with security deposit, \$100.....	No bid	\$0 50	No bid	No bid
Andrew A. Bouker, with security deposit, \$325.....	\$1 05	45	No bid	\$1 66½
Brown & Fleming, with security deposit, \$360.....	1 00	48	\$0 80	1 65
Murray & Co., with security deposit, \$35.....	No bid	No bid	69¾	No bid
John S. Howell, with security deposit, \$325.....	\$1 09	\$0 59	No bid	No bid
James M. Motley, with security deposit, \$35.....	No bid	No bid	\$0 95	No bid

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the Board having decided that the prices named for the various articles being excessive all bids received this day were rejected.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, February 15, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 8th instant were read and approved.

The communication from the Department of Public Charities and Correction, requesting the building of a platform next to the south side of the storehouse pier, Blackwell's Island, was tabled.

The following permits were granted, to continue only during the pleasure of the Board ; compensation to be fixed by the Treasurer :

John Anton—For scale and tally-house 8 x 12 feet, at the foot of East One Hundred and Tenth street.

John H. Starin—For a small freight shed on the bulkhead between Dey and Fulton streets, and shed to be erected under the supervision of the Engineer-in-Chief.

The communication from Russell & Deery, requesting permission to occupy a space in the vicinity of West Fiftieth street, was referred to the Treasurer with power.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the Counsel to the Corporation—Respecting damage to the canal-boat "John C. Orr," in front of bulkhead between Piers, new 37 and 38, North river.

From John A. Bouker, lessee—Requesting dredging at the Pier foot of West Forty-sixth street.

R. W. Cameron & Co.—Requesting that dredging be ordered in the slips between Piers 8 and 9, and 9 and 10, East river.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation—Recommending the rescinding of the resolution adopted December 21, 1893, authorizing the Pennsylvania Railroad Company to improve the premises between Vestry and Watts streets, North river. Notify said company to appear before the Board, Wednesday, February 21, 1894, at 11 o'clock A. M., and show cause why said resolution should not be rescinded.

Resolved, That the plan determined upon by the Board of Docks, at a meeting held on May 15, 1889, and received by the Commissioners of the Sinking Fund, on May 16, 1889, for the water-front on the westerly side of the East river, between the northerly side of East Hundred and Third street, and the centre line of East Sixty-fourth street, under and pursuant to the provisions of section 712, of chapter 410, Laws of 1882, as amended by chapter 517, Laws of 1884, be and is adopted.

From William F. Cunningham—Relative to the sale of the right to fill in between East Hundred and One Hundred and Third streets, East river.

From John Peirce—Transmitting the consent of the sureties to the extension of time for the completion of the deliveries of granite under contract No. 451, on the 8th instant for the completion of the deliveries of granite under contract No. 451.

From the New York and Long Branch Steamboat Company—Requesting permission to use the wharf at the Battery wharf. Application denied.

From Moses Engle—Requesting an extension of time for the completion of the removal of the old 29, North river, under Contract No. 461. Time extended until January 14, 1894.

From the New York, Lake Erie and Western Railroad Company—Requesting the permission to replace their north ferry rack and reinforce the same with additional piles upon the wharf of the Pier foot of West Twenty-third street, and agreeing to pay the cost thereof. The Engineer-in-Chief directed to do the work and report cost for collection.

From Dock Master Woods—Reporting the dumping of snow on the surface of the Pier at the North river.

**Dock Master Kenny :**

Reporting that the bulkhead between Bank and Bethune streets requires cleaning, grading-piece raised ; and that the string-piece on the bulkhead north of West Eleventh street is sagging. Owners directed to do the work.

Reporting repairs required to the pavement foot of Bogart street, North river. The Engineer-in-Chief directed to repair.

**Dock Master Coye :**

Reporting repairs required to Pier 18, East river. The New York and Cuba Mail Steamship Company directed to repair.

Reporting repairs required to Piers, new 29, new 32 and old 43, East river. The Engineer-in-Chief directed to repair.

**Dock Master Abeel**—Reporting repairs, required to the pavement in front of Pier, new 37, East river. The Engineer-in-Chief directed to repair.

**The Treasurer**—Recommending that the rental of the bulkhead adjoining Pier, new 36, East river, commence January 1, 1894, as requested on the 8th instant, by the Providence and Stonington Steamship Company, Lessee. Recommendation adopted.

**The Engineer-in-Chief :**

Report for the week ending February 10, 1894.

Report for the quarter ending January 31, 1894. Transmit the same to his Honor the Mayor.

Reporting the completion of Pier foot of Stanton street, East river. Notify the Dock Company.

Recommending that the Pier foot of West Twenty-third street be built forty-five feet wide on the established line. Recommendation adopted.

As to the application of the Department of Public Charities and Correction for a landing for steam launch. The Engineer-in-Chief directed to build a landing foot of East Eighty-ninth street.

Reporting repairs required to Pier 48, East river, and the bulkheads between Seventy-seventh and Seventy-eighth streets, North river. The Engineer-in-Chief directed to repair.

Reporting repairs required to Piers at West Thirty-eighth and Forty-ninth streets. Lessees directed to repair.

Report on Secretary's Order No. 13253, as to the erection of a bulkhead between Fifty-first and Fifty-fifth streets, East river, outside the established bulkhead-line. Transmit copy of report to the Consumers' Brewing Company.

Report on Secretary's Order No. 13540, recommending the placing of a backing log along the bulkhead between Nineteenth and Twentieth streets, North river. Owners notified to do the work.



The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending February 14, 1894, amounting to \$56,165.52, which was received and ordered to be spread in full on minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DA DEB ITS
1894.					18
Feb. 7	L. E. Muller.....	2 mos. rent, bhd. South Pier, new 39, N. R.....	\$250 00		
" 7	Manchester & Philbrick.....	2 mos , 7 days' rent, bhd. bet. 94th and 95th st., E. R.....	278 22		
" 8	Brown & Fleming. . . . .	Filling in bet. Stanton and Rivington sts., E. R.....	4,500 00		
" 8	Nat'l. Line of S. S.....	1 qrs. rent, Pier, new 39, N. R. ....	8,350 00		
" 8	N. Y. Mutual Gas Light Co...	Taking up and relaying pavement Pier, new 42, N. R. ....	3 47		
" 8	Nat'l Line of S. S . . . . .	Taking up and relaying new made land at Pier, new 39, N. R.....	20 00		
" 10	N. Y., N. H. & Hartford R. R. Co.....	1 qrs. rent, Pier, new, 36, E. R. ....	3,750 00		
" 10	N. Y., N. H. & Hartford R. R. Co.....	" 1. u. w., pfm. bet. Piers 49 and 50, E. R.....	250 00		
" 12	Penn. R. R. Co. . . . .	Repairs to Tug " Pier ".....	83 47		
" 12	McDermott & Co.....	Cleaning piers at 129th st., N. R.....	20 63		
" 12	James Parks. ....	1 qrs. rent, Pier foot 48th st.....	1,250 00		
" 12	N. Y. C. & H. R. R. R. Co....	" E. ½ Pier 4, E. R.....	1,100 00		
" 12	" . . . . .	" bhd. pfm. bet. Piers 4 and 5 E. R. ....	275 00		
" 12	" . . . . .	" bhd. bet 5 and 6 E. R.....	275 00		
" 12	" . . . . .	" Pier 5, E. R. ....	4,125 00		
" 12	" . . . . .	" Pier 6, E. R.....	2,200 00		
" 12	" . . . . .	" 1. u. w , pfm. bet. Piers, old 25 and 27, N. R.....	787 50		
" 12	" . . . . .	" 1. u. w., pfm. bet. Piers, old 27 and 28, N. R. ....	537 37		
" 12	" . . . . .	" Pier at 36th st., N. R. ....	3,750 00		
" 12	" . . . . .	" Piers, new 61 and 62, and 63, and bhd. northerly, N. R. ....	13,750 00		
" 12	" . . . . .	" 1. u. w. at 59th st., N. R...	700 00		
" 12	" . . . . .	" S. ½ bhd. at 60th st., N. R. ....	15 00		
" 12	" . . . . .	" 1. u. w. bet. 60th and 65th sts., N. R.....	1,500 00		
" 12	" . . . . .	" 1. u. w. bet. 65th and 72d sts., N. R.....	5,250 00		
" 12	" . . . . .	" bhd. and float, N. of Pier, new 63, N. R. ....	250 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
N. Y. C. & H. R. R. R. Co....	1 qrs. rent, l. u. w. covered by extensions to Piers, old 25, and 27, N. R.....	\$1,000 00		
George A. Woods.....	Wharfage, District No. 2, N. R.....	108 90		
Edward Abeel. ....	" 4, " .....	443 04		
B. F. Kenny. ....	" 6, " .....	117 26		
W. B. Osborne.....	" 8, " .....	94 07		
James J. Fleming.....	" 10, " .....	86 80		
Thomas P. Walsh....	" 12, " .....	18 50		
H. A. Palmstine.....	" 1, E. R.....	212 58		
Charles S. Coye.....	" 3, " .....	239 61		
James A. Monaghan.....	" 5, " .....	263 52		
Joseph F. Meehan.....	" 7, " .....	85 15		
Maurice Stack.....	" 9, " .....	141 71		
James W. Carson.....	" 11, " .....	51 50		
John J. Martin.....	" 13, N. R.....	26 22		
Edward Abeel.....	Storage of trucks.....	6 00		
			\$56,165 52	Feb. 14
		\$56,165 52	\$56,165 52	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

Auditing Committee presented an audit of thirty-one bills or claims, amounting to \$8, which were approved and audited and ordered to be spread in full on the minutes, as

Construction Account.

Name.	Amount.
L. L. Spearin and E. L. Preston, Estimate No. 1, Contract No. 459.....	\$3,595 19
Alexander Pollock, repairs to pump, etc.....	144 00
Charles E. Dowdell, repairs to shutters .....	395 00
Crown & Miller, piston rings.....	30 00
The East River Mill and Lumber Company, spruce.....	240 00
Henry Haggerty, oil.....	27 67
The John Good Cordage Company, rope.....	93 61
Merry & Popham Coal Company, Limited, coal.....	262 50
William D. Wheelwright & Co., lumber.....	139 53

Audit No.	Name.	Amount.
13951.	Thomas C. Dunham, brushes, etc.....	\$145 26
13952.	Morris & Cumings Dredging Company, dredging .....	4,681 88
13953.	James Symington, Estimate No. 4 and final, Contract No. 457...	8,982 77
13954.	H. P. Sheridan, rip-rap.....	647 28
		<hr/> \$11
13955.	John Peirce, Estimate No. 3, Contract No. 455.....	\$5,697 01
13956.	Hodgman Rubber Company, hose, mittens, etc.....	242 08
13957.	H. M. Loud, piles .....	7,303 20
13958.	J. H. Bunnell & Co., electric machine.....	495 00
13959.	Thornton N. Motley & Co., engine, etc.....	285 00
13960.	Stackpole & Bro., repairs to transit.....	95 00
13961.	James Brand, cement.....	2,073 11
13962.	Heipershausen Bros., towing.....	273 75
13963.	William R. Cock, repairs to machine .....	35 00
13964.	S. Stewart, coal .....	240 00
13965.	Lidgerwood Manufacturing Company, castings, etc.....	10 00
13966.	Thomas Gearty, paving near Canal street.....	4,725 00
13967.	Rand Drill Company, repairs to drill .....	35 00
13968.	Phillips & Francisco, insurance.....	475 00
		<hr/> 2

General Repairs Account.

13969.	Greenlie, Wyatt & Co., castings .....	\$48 54
13970.	Thomas Kelly, services, horse, cart, etc.....	105 00
13971.	Morris & Cumings Dredging Company, dredging.....	823 50
		<hr/>

Annual Expense Account.

13972.	Wyckoff, Seamans & Benedict, renewal of typewriter .....	
	Total .....	\$4

Respectfully submitted,

ANDREW J. WHITE, ) Audit  
JAMES J. PHELAN, ) Commi

The action of the President in transmitting the same, with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estim
13934.	Castings.....	
13935.	Windows, frames, etc.....	
13936.	Spruce .....	
13937.	Piles.....	
13938.	Cast-iron silt basin covers....	

No	For What.	Estimated Cost.
Dredging.....		\$462 50
" .....		740 00
Rip-rap .....		875 00
Reversing switch, etc.....		264 25
Services of horse, cart and driver.....	per day.	3 50
Ironwork .....		1,338 00
Sand .....		340 00
Dredging.....		937 50
Charging barrows.....		255 00
Broken stone.....		1,200 00
Cobble stone .....		1,700 00
Piles.....		7,524 00
Services of tugs.....	per hour.	5 00
Spruce. ....	per M.	21 00
Ironwork.....		526 25
Castings, etc.....		1,051 50
Spike .....		157 00
Wrought-iron galvanized pipe.....		20 00
ion No.		
Printing and stationery.....		

e Treasurer reported that he had received estimates for furnishing the Department with and piles, as follows :

*The Patterns for and Castings.*

der Pollock.....	\$119 35
e, Wyatt & Co .....	125 00
Smack & Co.....	137 50
oyd .....	162 50

*About 450 Piles, 80 to 85 feet long, 17 by 15 inches diameter at butt.*

	17 INCHES.	15 INCHES.
. Murray .....	\$10 00	\$9 50
Taylor.....	15 75	15 75
nton & Co.....	13 85	13 85
ad.....	12 45	10 73
mford & Sons.....	13 00	13 00
t Steers .....	12 40	12 40
& Co.....	15 00	14 25
mpland.....	14 50	13 50

The action of the Treasurer in awarding the orders to Alexander Pollock and Alfred J. Mur— they being the lowest bidders, approved.

On motion, the permit granted Brown & Fleming for a dump at Jackson street, and the Br— lyn and New York Ferry Company at Pier 57, East river, were revoked.

The Secretary reported the pay-rolls for the General Repairs and Construction Force for week ending February 9, 1894, amounting to \$11,665.13, had been approved and audited — transmitted to the Finance Department for payment.

The Secretary submitted a report for the quarter ending January 31, 1894, which he — directed to transmit to his Honor the Mayor.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Treasurer — Recommending the appointment of Jacob Bauer as Janitor and that hours of attendance be fixed from 6 o'clock A. M. to 6 o'clock P. M. daily, Sundays and legal h— days excepted. Report approved and the following resolution adopted :

Resolved, That Jacob Bauer be and he is hereby appointed Janitor, with compensation at — rate of eighty-three dollars and thirty-three cents per month, to take effect February 17, 1894.

From John Jeroloman, attorney — Requesting the reinstatement of John Conroy, Labor— The Secretary directed to reply.

From the New York City Civil Service Boards—Respecting the examination of William Crowley, Chainman, for promotion to the position of Leveler.

From the Engineer-in-Chief :

1st. Recommending the discharge of Laborer, Acting Watchman, Robert Heaton.

On motion, the said Heaton was granted a leave of absence until February 20, 1894.

2d. Recommending the discharge of Laborer John Butler.

On motion, the said Butler was directed not to be assigned to duty as Acting Watchman for thirty days.

Patrick H. McCullough, Roundsman, having been duly notified to appear before the Board and show cause why he should not be discharged for neglect of duty, was present, and upon hearing the testimony decision was reserved.

The following persons were appointed :

*Laborers.*

Thomas J. Larkin,

Stephen O'Brien.

*Dock Builders.*

Henry C. Breslin,

Martin F. Hayes,

Edward Johnson,

James Maguire,

Henry Bohner.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board Pier "A," Battery place, Wednesday, February 21, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 15th instant were read and approved.

W. S. Andrews, president of the New York Steam Company, appeared and requested a lease of a portion of the bulkhead south of the "Washington" Pier, for the purpose of receiving coal.

The communication of S. V. Tripp, requesting a ten-years lease of the land under water south of West Thirty-fourth street, was referred to the Treasurer.

The application of Morgan & Ives, attorneys, for a berth at Pier, new 43, North river, was referred to the Dock Master.

The following permits were granted, to continue only during the pleasure of the Board :

Woodrow & Lewis—To place about 600 bales of cotton on the new-made land in the vicinity of Franklin street, North river, for the purpose of holding an auction ; compensation to be fixed by the Treasurer.

International Navigation Company—To place fenders for the protection of discharge pipe on the bulkhead between Piers, new 14 and 15, North river ; the work to be done under the supervision of the Engineer-in-Chief.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation—Transmitting quadruplicate forms of agreement for the purchase of certain bulkhead rights on the westerly side of West street, near the foot of Perry street, from the following-named parties : Charles N. Lane, the Farmers' Loan and Trust Company, trustee, Washington Brockner, Henry Chastain and Jeremiah Pangburn, agent. The officers of the Board authorized to execute said agreements.

From the Department of Street Cleaning—Stating that the snow and mud has been ordered removed from the surface of Pier, new 15, North river.

From the West Shore Railroad Company—Reporting the dumping of snow into the slip north of Pier, new 23, North river, by the Department of Street Cleaning.

From William D. Wheelwright and Charles R. Hewitt—Requesting an extension of time for the completion of the deliveries of sawed yellow pine timber under Contract No. 448. Time extended to February 23, 1894.

From Borden & Lovell, agents—Submitting copy of proposed deed from the Old Colony Steam-  
 Company and Charles F. Choate, for the sale to the City of their bulkhead rights between  
 Piers, old 28 and 29, North river, purchased by the Department December 14, 1893. Transmit  
 the same to the Counsel to the Corporation.

From the Treasurer :

1st. Recommending that the compensation to be charged Cornelius McMonagle for a derrick,  
 engine, hopper, etc., on Pier, old 42, North river, be fixed at the rate of \$1.50 per day, Sundays  
 included, payable at the end of each week to the Dock Master. Recommendation adopted.

2d. Recommending that a permit be granted James Shewan to use and occupy the Pier foot of  
 Stanton street, East river, during the pleasure of the Board, with compensation at the rate of \$5,000  
 per annum, payable at the end of each month to the Treasurer. Recommendation adopted.

3d. Recommending that a permit be granted Lawrence Price to berth the steamboat "Arlata"  
 at the Pier foot of West Thirteenth street, during the pleasure of the Board, with compensation at  
 the rate of \$5 per day, Sundays included, payable at the end of each week to the Dock Master.  
 Recommendation adopted.

From Dock Master Coye—Reporting repairs required to the pavement at Pier 34, East river.  
 The Long Island Railroad Company notified to repair.

From Dock Master Walsh—Reporting an accumulation of filth caused by trimming the  
 snows of the Department of Street Cleaning at West Seventy-ninth street. Notify Department of  
 Street Cleaning to remove.

From the Engineer-in-Chief :

1st. Report for the week ending February 17, 1894.

2d. Reporting completion of the Pier foot of East Twenty-fifth street.

3d. Recommending the transfer of the Dock Master's office to Pier, new 43, North river, and  
 the removal of the present structure, foot of Barrow street. Recommendation adopted.

4th. Reporting the dumping of ashes from the fire-boat "Havemeyer," on the Pier foot of  
 East Third street. Notify the Department of Street Cleaning to remove.

5th. Submitting specifications and form of contract for furnishing sawed yellow pine timber.  
 Approved, subject to the approval of the Counsel to the Corporation as to form and the Secretary  
 directed to advertise for estimates.

6th. Reporting repairs required to the upper and lower Piers foot of East Eighty-sixth street  
 and the Pier at East Twenty-sixth street. The Engineer-in-Chief directed to repair.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13473. Submitting cost of removal of the brick dumped from the scow "Sadie F. Hoag-  
 land," at the foot of West One Hundred and Thirty-third street. Treasurer authorized to collect.

No. 13597. Submitting information respecting the damage to the canal-boat "John C. Orr,"  
 at the bulkhead between Piers, new 37 and 38, North river. Transmit copy of said report to the  
 Counsel to the Corporation.



No. 13577. As to the dredging required between Piers 8 and 10, East river. Owners notified to dredge.

No. 13452. Respecting the improvement of the water-front at and about Sherman's creek. Transmit copy of said report to the Washington Heights Tax Payers' Association.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13399. Repaired the surface of Pier, new 29, East river, and the removal of signs and notices from Pier, new 43, North river.

No. 13519. Removal of piles from Pier, new 22, to Pier, new 19, North river.

No. 13556. Laying a plank lengthwise in the space left as a gutter in the runway at Canal Street Dump.

No. 13560. Repaired boat-landing, Department of Public Charities and Correction, at Fifty-second street, East river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders:

No. 13108. Dredging in half slip adjoining the south side of Pier, new 41, North river, by the lessee.

No. 13358. Extending the southerly rack of the south slip of the New York, Lake Erie and Western Railroad Company, at Chambers Street Ferry, North river.

No. 13435. Replacing strips of plank removed by employees Department of Public Parks from bulkhead platform in front of Castle Garden.

No. 13499. Removal of shanties at Stanton street, East river, by the owner.

No. 13520. Replacing piles and making repairs to drawbridge at One Hundred and Twenty-ninth street and Second avenue by the Manhattan Railway Company.

The Engineer-in-Chief returned Secretary's Orders Nos. 13445, 13454, 13496 and 13504.

The Engineer-in-Chief and Dock Master submitted reports of the dumping of snow and ice on the following piers and bulkheads, which was ordered to be transmitted to the Department of Street Cleaning :

Pier, new 29, East river, on the 14th instant.

Pier, new 32, East river, on the 14th instant.

Pier, old 43, East river, on the 14th instant.

Pier, old 55, East river, on the 14th instant.

Pier at East Third street, on the 14th instant.

Pier at East Twenty-eighth street, on the 15th instant.

Pier, new 42, North river, near foot of Canal street, on the 15th and 16th instant.

Bulkhead north of Pier, new 23, North river, on the 15th instant.

Bulkhead, between Sixtieth and Sixty-second streets, East river, on the 17th instant.

Pier at Sixty-second street, East river, on the 17th instant.

On motion, a permit was granted the Brooklyn and New York Ferry Company to dump ashes now at Pier 57, East river.

On motion, the permit granted John Chester, January 8, 1891, for a manure dump foot of West Forty-seventh street was revoked.

On motion, the following preamble and resolution offered by the Treasurer were adopted ;

Whereas, By the present system of paying the employees on the monthly pay-roll of this Department, the work of the Department is seriously interfered with by being deprived of the services of its employees for a considerable period, while waiting in the Paymaster's office and going to and fro ; therefore

Resolved, That the Comptroller be requested to arrange with the Treasurer of this Board for a system of payments to be made at the office of this Department.

On motion, the following resolution was adopted :

Resolved, That hereafter the Engineer-in-Chief be and hereby is directed to make a charge for the use of floating property and machinery in the cost of all the work done by the Department for private parties ; such charge or rate of charge to be approved by the Treasurer.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending February 16, 1894, amounting to \$11,708.32, had been approved and audited and transmitted to the Finance Department for payment.

On motion, permission was granted Matthew Stripp to operate a steam derrick, during the absence of the Board, on the southerly half of the bulkhead between Piers, new 22 and 23, North river, compensation to be paid therefor at the rate of \$50 per month, payable semi-monthly to the Dock Master.

On motion, the action of the Treasurer in selling to Thomas Smith the right to fill in 2,500 yards behind the bulkhead-wall at East One Hundred and Second Street Section, was approved.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of sufficient concrete base blocks for the bulkhead or river-wall on the North river, from the southerly end of the West Washington Market Section at the middle of the foot of Dey street about two hundred and forty feet southerly and also that he be and hereby is directed to proceed with the construction of about two hundred and forty feet of said bulkhead or river-wall, southerly of the southerly end of the West Washington Market Section at the middle of the foot of Dey street, and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for and that all the material, tools and dredging necessary for the above-mentioned work of the wall, not heretofore contracted for or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week February 21, 1894, amounting to \$15,293.18, which was received and ordered to be spread on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
1894.				
Feb. 14	Sheridan & Byrne.....	1 qrs. rent, Pier foot of 5th st., E. R..	\$925 00	
" 15	Armstrong & Pretzenhoff ...	Blue print plans, Pier, new 29, N. R.	5 00	
" 15	Brooklyn and New York Ferry Company. ....	1 qrs. rent, bhd. foot of 22d st., E. R..	37 50	
" 15	Consolidated Gas Company...	Repairing pavement Pier, new 21, N. R. ....	226 02	
" 15	Kane & Wright.....	1 qrs. rent, bhd. pfm. at 105th st., E. R.	100 00	
" 15	Suburban Rapid Transit Company.....	" l. u. w. bridge, Pier 129th st., 2d ave. ....	125 00	
" 15	Manhattan Railway Company.	" l. u. w., north W. 159th st., H. R. ....	1,250 00	
" 15	Yellow Pine Company.....	" Timber basin south of 126th st., H. R. ....	37 50	
" 15	Hoboken Ferry Company. ...	" l. u. w., widening terry slip foot of Barclay st., N. R.	1,000 00	
" 15	" .....	" bell tower, Pier, new 15, N. R. ....	25 00	
" 15	Hoboken Land and Improvement Company.....	" l. u. w., south of Barclay st., N. R. ....	2,151 06	
" 15	Horatio D. Mould.....	" pfm. west side Pier 53, E. R. ....	31 25	
" 19	Knickerbocker Ice Company.	" l. u. w. for extension Pier at 43d st., N. R. ....	25 00	
" 19	" .....	" bhd. at Bank st., N. R. ....	212 50	
" 19	" .....	" bhd. at 93d st., E. R. ....	330 00	
" 19	" .....	" berth south side Pier at 33d st., E. R. ....	375 00	
" 19	Popham & Co. ....	" bhd. at 36th st., E. R. ....	65 00	
" 19	Bernheimer & Schmid .....	" l. u. w. pfm. north of 108th st., N. R. ....	150 37	
" 19	Murray & Co. ....	" bhd. foot 14th st., E. R. ....	131 25	
" 19	Charles W. Morse & Co. ....	" bhd. pfm. south of 79th st., E. R. ....	450 00	
" 19	W. J. Clark.....	" l. u. w. pfm. south of Pier 43, E. R. ....	32 60	
" 19	Old Colony S. B. Company....	" l. u. w. extension Pier, old 28, N. R. ....	1,017 19	
" 19	" .....	" l. u. w. pfm. north of Pier, old 28, N. R. ....	677 25	
" 19	" .....	" l. u. w. p m. south of Pier, old 28, N. R. ....	31 50	

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
National Transit Company...	1 qrs. rent, l. u. w., pfm. N. 97th st., N. R.....	\$25 00		
New Haven S. B. Co.....	" W. ½ Pier 26 and bhd. adjoining E. R.....	750 00		
" " .....	" Pier 25 and bhd. adg. E. R.....	2,250 00		
John R. M. McPherson.....	" l. u. w., pfm. S. Pier at 40th st., N. R.....	57 75		
John L. Eccles.....	" Pier, old 59, N. R.....	350 00		
William Cruikshank.....	" l. u. w., extn. Pier 9, N. R.....	200 00		
Clark & Seaman.....	" l. u. w., pfm. bet. Piers 8 and 9, N. R.....	375 00		
Gustave Muller.....	Repairing pavement at Pier, new 41, N. R.....	384 57		
Consumers' Brewing Company	1 qrs. rent, bhd. N. 54th st., E. R. ....	37 50		
George A. Woods.....	Wharfage, District No. 2, N. R.....	133 58		
Edward Abeel.....	" 4, " .....	142 79		
B. F. Kenney.....	" 6, " .....	79 87		
W. B. Osborne.....	" 8, " .....	119 01		
James J. Fleming.....	" 10, " .....	78 00		
Thomas P. Walsh.....	" 12, " .....	35 06		
H. A. Palmstine.....	" 1, E. R.....	128 62		
Charles S. Coye.....	" 3, " .....	242 86		
James A. Monaghan.....	" 5, " .....	163 72		
Joseph F. Meehan.....	" 7, " .....	114 96		
Maurice Stack.....	" 9, " .....	83 25		
James W. Carson.....	" 11, " .....	25 40		
John J. Martin.....	" 13, N. R.....	103 25		
		<u>\$15,293 18</u>	\$15,293 18	Feb. 21
		\$15,293 18	\$15,293 18	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of ten bills or claims, amounting to \$50, which were approved and audited and ordered to be spread in full on the minutes as follows:

*Construction Account.*

Name.	Amount.
Alexander Pollock, tallow.....	\$68 29
Abel Bros., iron, steel, etc.....	99 13
H. P. Sheridan, rip-rap .....	349 99

Audit No.	Name.	Amount.
13976.	The Ingersoll-Sergeant Drill Company, repairs to drill, etc.....	\$55 95
13977.	Baetjer & Meyerstein, cement.....	1,953 74
13978.	Thornton N. Motley & Co., bolts, spike, etc.....	1,910 53
13979.	The American Forcite Powder Manufacturing Company, powder, etc.....	712 60
13980.	H. L. Spearon & E. L. Preston, Estimate No. 2 and final, Contract No. 459.....	579 81
13981.	The Metropolitan Telephone and Telegraph Company, telephone service. ....	130 20
		----- \$5

General Repairs Account.

13982.	J. L. Munford & Sons, piles.....	
	Total... ..	\$6

The action of the President in transmitting the same, with requisitions for the amount Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimate
13957.	Gravel.....	
13958.	Piles.....	1
13959.	Coal ... ..	
13960.	Dredging.....	
13961.	White oak fenders.....	
13962.	Measuring tape and plumb bobs.....	
13963.	Hoisting rope.....	
13964.	Cocoanut brooms.....	
13965.	Steel disc.....	
13966.	Blue print paper.....	
13967.	Pipe fittings.....	
13968.	Iron work.....	1
13969.	Manila rope.....	

The Treasurer reported that he had received estimates for furnishing the Department iron work, charging barrows and plain and corrugated galvanized iron, as follows :

Iron Work for Sand and Stone Bins.

Greenlie, Wyatt & Co.....	per pound
Milliken Bros.....	"
Alexander Pollock.....	"

*Three Charging Barrows.*

ier Pollock.....	each	<u>\$0 94</u>
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*Plain and Corrugated Galvanized Iron.*

ler Pollock.....	\$923 03
uley & Co .....	1,295 00
Bros .....	<u>1,472 00</u>

action of the Treasurer in awarding the orders to Greenlie, Wyatt & Co. and Alexander they being the lowest bidders, approved.

motion, the hearing respecting the rescinding of the permit to the Pennsylvania Railroad to improve the property between Vestry and Watts streets was postponed until the 27th

motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

Board then met in executive session.

compensation of Peter F. Monaghan, Laborer, was fixed at the rate of \$65 per month, to March 1, 1894.

Secretary was directed to cause the name of George Wagner, Laborer, deceased, to be in the list of employees.

s F. Gibbons, Laborer, was discharged.

motion, the following persons were appointed :

*Laborers.*

erick Esser.	Stephen O'Brien.	Ebenezer Berry.
rt Ryan.		

*Dock Builders.*

s Anderson.	James Clarke.	John Vesey.
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motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Tuesday, February 27, 1894, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner Phelan.

Absent—Commissioner White.

The minutes of the meeting held on the 21st instant were read and approved

On motion, the following resolutions were adopted :

Resolved, That permission be and hereby is granted the Pennsylvania Railroad Company to use and occupy, during the pleasure of the Board, commencing May 1, 1894, the bulkhead beginning at the north side of Pier, new 28, North river, and running northerly to a point about twenty feet north of the north side of Pier, new 29, North river, a distance of two hundred and forty-two feet, more or less, compensation therefor to be determined hereafter by the Board of Docks.

Resolved, That by virtue of the power and authority vested in this Board, and in pursuance with the statutes in such cases made and provided, this Department hereby agrees to lease, assign and farm-let to the Pennsylvania Railroad Company all and singular the wharfage which may arise or accrue or become due in the manner and at the rates prescribed by law, for the use and occupation of the bulkhead extending from the north side of Pier, new 28, North river, northerly a distance of seventy-one feet, more or less, to a point half-way between Piers, new 28 and new 29, North river, for a period of ten years from September 1, 1894.

Resolved, That by virtue of the power and authority vested in this Board, and in pursuance with the statutes in such cases made and provided, this Department hereby agrees to lease, assign and to farm-let to the Pennsylvania Railroad Company all and singular the wharfage which may arise, accrue or become due in the manner and at the rates prescribed by law, for the use and occupation of the bulkhead extending from a point half-way between Piers, new 28 and new 29, North river, northerly to a point twenty feet north of the north side of Pier, new 29, North river, a distance of one hundred and seventy-one feet, more or less, for a period of seven years from March 1, 1894, said lessee shall have the privilege of renewal of said lease for a period co-terminus with the period specified in the privilege of renewal contained in the existing lease of Pier, new 29, North river.

The said leases or any renewal thereof shall contain the usual covenants and conditions as at present embodied in the lease of wharf property now used by this Department ; the rental to be paid for said leases or any renewal thereof to be hereafter fixed by this Board.

Resolved, That by virtue of the power and authority vested in this Board by law, and especially by subdivision 6 of section 6 of chapter 574 of the Laws of 1871, and section 716 of chapter 410 of the Laws of 1882, commonly called the New York City Consolidation Act, as amended by chapter 521 of the Laws of 1889, the bulkhead extending from the north side of Pier, new 28, North river, northerly to a point twenty feet north of the north side of Pier, new 29, North river, a distance

hundred and forty-two feet, more or less, be and hereby is appropriated to the sole use of the kind of commerce carried on by steam transportation.

solved, That permission be and hereby is granted the Pennsylvania Railroad Company to erect a shed on the bulkhead extending from the north side of Pier, new 28, North river, northward a point twenty feet north of the north side of Pier, new 29, North river, and extending a distance of fifty feet in-shore from the westerly side of said bulkhead, in accordance with the regulations in such cases made and provided and in accordance with the plans and specifications to be submitted to and approved by this Board; said shed to be erected under the supervision of the Engineer-in-Chief and to revert to and become the property of the Mayor, Aldermen and Common Council of the City of New York, at the expiration or sooner termination of the lease of said bulkhead, free from all claims of every kind whatsoever.

It being understood that the above resolutions shall be of no force or effect unless the said Pennsylvania Railroad Company shall within ten days from receipt hereof file in this office its written acceptance of the terms and conditions of said resolutions.

The application of the Department of Public Works, Philadelphia, for blue prints showing the plan of constructing piers in deep water, was referred to the Engineer-in-Chief.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief:

Central Railroad Company of New Jersey, lessee—To sheathe the sides of the Pier foot of Fifteenth street.

Metropolitan Telephone and Telegraph Company—To land two submarine cables at Pier, new 28, North river; said cables to remain only during the pleasure of the Board.

The following communications were received, read and,

in motion, ordered to be placed on file:

From the Counsel to the Corporation—Transmitting check for \$112.08 recovered under libel against the steamboat "Waterbury," for wharfage.

From the Department of Street Cleaning—Requesting a reconsideration of the order of the Board, revoking the permit to dump snow from Pier, new 15, North river, and Pier 23, East river.

From the Police Department—Stating that the notice revoking the permit to dump snow from Pier, new 15, North river, and Pier 23, East river, was referred to the Superintendent.

From the Department of Public Works—Renewing their application of the 11th ultimo, for the extension of the Pier at High Bridge 30 feet northwardly into the Harlem river, and stating that the Department have granted permission for such extension. The Engineer-in-Chief directed to proceed with the work.

From E. A. Cruikshank & Co.—Reporting the completion of repairs to their portion of the wharf between Bethune and Bank streets, as ordered on the 15th instant.



From the Bridgeport Steamboat Company—Requesting to be informed when the lease of Pier 35, East river, expires, also whether it may be renewed and for what period. The Secretary directed to reply.

From Dock Master Kenney—Reporting repairs required to the Pier foot of West Twentieth street. The Engineer-in-Chief directed to repair.

From Dock Master Coye—Reporting repairs required to Pier 43, East river. The Engineer-in-Chief directed to repair.

From the Treasurer :

1st. Reporting that no compensation can be charged the Audubon Yacht Club for a float and boat-house, foot of West One Hundred and Fifty-third street, as the property occupied is not owned by the City. Report approved.

2d. Reporting that the Board have no power to grant the lease requested by S. V. Tripp on 21st instant, for land under water foot of West Thirty-fourth street, as the property referred to is not owned by the City. Report approved.

3d. Recommending that the compensation to be charged John H. Starin for the freight-shed and the bulkhead between Dey and Fulton streets, under permit granted February 15, 1894, at the rate of \$3 per day, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

4th. Recommending that the application of Russell & Deery to occupy a portion of the City property in the vicinity of West Fifty-first street be denied. Recommendation adopted.

From the Engineer-in-Chief :

1st. Reporting repairs required to Pier 61, East river, and the Pier at East Ninety-fifth street. The Engineer-in-Chief directed to repair.

2d. Reporting repairs required to Pier, new 54, North river. Lessee directed to repair.

3d. Reporting damage to Pier, new 43, North river, by the steamship "Germanic." The Engineer-in-Chief directed to repair and report the cost thereof.

4th. Reporting the non-removal of snow dumped at Pier, new 15, North river. Sent copy to the Department of Street Cleaning.

5th. Report on Secretary's Order No. 13252, submitting cost of driving three additional row piles at Pier, new 19, North river, in accordance with the request of the New York, Lake Erie and Western Railroad Company. Treasurer authorized to collect.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13527. Dredging at the bulkhead between Eighteenth and Nineteenth streets, East river, and the south side of the Pier foot of East Nineteenth street.

No. 13568. Repairs to the north ferry-rack foot of West Twenty-third street.

No. 13571. Repairs to the Pier at West Twenty-second street damaged by floats of the New York, Lake Erie and Western Railroad Company.

No. 13277. Repairs to the bulkhead platform in rear of the transfer bridge foot of West Twenty-third street.

No. 13203. Erection of a shed on the extension to Pier, old 28, North river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12877. Repairs to sewer-box and Pier at East Twenty-sixth street.

No. 13552. Tested one barrel of Liberty cement for the Warner's Portland Cement Manufacturing Company.

The Engineer-in-Chief returned Secretary's Order No. 13557.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

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The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From John M. Stewart, Assistant Engineer, with the approval of the Engineer-in-Chief, requesting an increase of salary.

On motion, the following resolution was adopted :

Resolved, That the compensation of John M. Stewart, Assistant Engineer, be and hereby is fixed at the rate of one hundred and fifty dollars per month, to take effect March 1, 1894.

From Otto H. Klein, Draughtsman, tendering his resignation.

On motion, the following resolution was adopted :

Resolved, That a leave of absence be granted Otto H. Klein, Draughtsman, until February 28, 1894, and that his resignation be accepted, to take effect that date.

From the New York City Civil Service Boards, reporting that William J. Crowley, Chainman, passed the prescribed examination for promotion to the position of Leveler, on the 19th instant.

On motion, the following resolution was adopted :

Resolved, That William J. Crowley, Chainman, who has been certified to by the Civil Service Boards as eligible for such position, be and hereby is appointed Leveler, on probation, with compensation at the rate of eighty dollars per month, to take effect March 1, 1894.

From the Engineer-in-Chief :

1st. Reporting that he had directed that Laborers, Acting Watchmen, Robert Dolan and J. Golden be not again assigned to duty as Acting Watchmen, and recommending that his action be approved. Recommendation adopted.

2d. Reporting that Edward Smith No. 2, Laborer, has been laid off and is unassigned to duty for having been absent from all duty three successive days without being excused.

On motion, said Smith was discharged.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

meeting of the Board of Docks of the City of New York, held at the office of the Board, Battery place, Thursday, March 1, 1894, at 11 o'clock A. M.

Present—President Cram.

Commissioner Phelan.

“ White.

Minutes of the meeting held on the 27th ultimo were read and approved.

Following communications were received, read and,

motion, ordered to be placed on file :

1. The Department of Street Cleaning—Requesting dredging at the dump foot of West Nine-street. The Engineer-in-Chief directed to make requisition.

2. Simon Sterne, attorney for Hudson Tunnel Railway Company—Requesting that an extension of time be granted said company in which to vacate the premises south of Pier, new 42, East river.

motion, the time was extended until April 1, 1894.

3. The Manhattan Refrigerating Company.—Requesting permission to run a water-pipe under the foot of West Thirty-fifth street. Permit granted ; the work to be done under the supervision of the Engineer-in-Chief, provided the consent of the lessee is obtained.

4. The Engineer-in-Chief :

Report for the week ending February 24, 1894.

Recommending that the time for the completion of the work of removal of Pier, old 29, East river, under Contract No. 461, be extended to January 15, 1894. Recommendation adopted.

Reporting that the unused Pier foot of West Thirty-ninth street is a resort for disreputable persons, and recommending that the attention of the Police Department be called thereto. Recommendation adopted.

Recommending that the upper half of the bulkhead-platform between Thirty-eighth and Thirty-ninth streets, East river, be fenced off, as it is in a dangerous condition. Recommendation adopted.

Submitting two copies of plan for an exterior wharf, street or place, extending along the shore of the East river, commencing at the northerly line of East Forty-ninth street and

extending to a point immediately south of the southerly line of East Fifty-third street in accordance with section 3, chapter 286 of the Laws of 1889, which was determined by the Commissioners of the Sinking Fund, August 8, 1889, and certified to by the Commissioners of the Sinking Fund, 1894.

On motion, the Secretary was directed to file a copy with the Commissioner of Public Works and the Register of the City and County of New York, as required by law.

6th. Reporting filling-in required behind the bulkhead wall between Piers, new 55 and 56, North river.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted Thomas Smith to fill in behind the bulkhead or river wall between Piers, new 55 and 56, North river, at a rate of compensation to be determined by the Treasurer.

On motion, the following resolution was adopted :

Resolved, That the specifications submitted by the Engineer-in-Chief of this Department for filling in behind the bulkhead or river wall now building, between the southerly line of East One Hundred and First and the southerly line of East One Hundred and Third streets, North river, be and they are hereby approved, and the Secretary be and is hereby directed to publish the same in the CITY RECORD and other newspapers designated by law, stating that the same will be sold at public auction to the highest bidder.

The Engineer-in-Chief, and Dock Masters submitted the following reports of the snow on piers and bulkheads :

Pier, new 42, North river, on the 27th and 28th ultimo.

Pier, new 15, North river, on the 27th and 28th ultimo.

Pier 12, East river, on the 27th ultimo.

The Secretary directed to send a copy to the Department of Street Cleaning.

On motion, the order of February 1, 1894, directing the fencing off of the bulkhead at One Hundred and Fifty-fifth street, Harlem river, was rescinded in accordance with the request of the Passaic Rolling Mill Company, contractors for building the new Macomb's Dam Bridge.

On motion, the order of January 25, directing the removal of the house at West Street, was extended to May 1, 1894.

The Engineer-in-Chief reported that the work of extending the coal dock at High Street, in accordance with the request of the Department of Public Works, would exceed \$1,000.

On motion, the order of February 27, 1894, was revoked and a permit granted the Department of Public Works to extend said pier, the work to be done under the supervision of the Engineer-in-Chief.

Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending March 28, 1894, amounting to \$19,121.16, which was received and ordered to be spread in full minutes, as follows :

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
Thomas E. Crimmins. ....	2,500 half loads, bet. 23d and 24th sts., N. R. ....	\$250 00		
Cedar Hill Ice Company. ....	1 mos. rent bhd. south side Little W. 12th st. ....	125 00		
N. Y., N. H. & H. R. R. Co. ...	3 mos. rent, l. u. w. pfm. south Pier 50, E. R. ....	1,000		
"	" l. u. w. bet. Pier 51 and 52, E. R. ....	533 28		
"	" l. u. w. widening Pier 49, E. R. ....	39 81		
"	" E. ½ Pier 51, W. ½ 52, E. R. ....	2,000 00		
"	" pfm., bet. Piers, old 45 and new 36, E. R. ....	400 69		
"	" widg Pier, old 45, E. R. ...	178 50		
Manchester & Philbrick. ....	" bhd. bet. 94th and 95th sts., E. R. ....	375 00		
Harlem River and Portches- ter Ry. Co. ....	" l. u. w. pfm. bet. Piers 50 and 51, E. R. ....	375 00		
Consumers' Ice Co. ....	6 mos. rent, Pier foot Horatio st. ....	750 00		
Standard Gas-light Co. ....	3 mos. rent, bhd. south of 115th st., H. R. ....	150 00		
Long Island Land Fertilizing Co. ....	" bhd. and dump, E. 39th st. ...	500 00		
Farmers' Feed Co. ....	" filled-in land north E. 62d street. ....	25 00		
Ehrenrich Bros. ....	" l. u. w. pfm. south E. 63d st. ...	25 00		
"	" filled-in land bet. 62d and 63d sts., E. R. ....	25 00		
Providence and Stonington S. S. Co. ....	" bhd north and south Pier, new 36, N. R. ....	750 00		
George W. Plunkitt & Smith. ...	" Pier at W. 52d st. ....	975 00		
Citizens' Steamboat Co. ....	" Pier, new 46, N. R. ....	8,379 35		
John Kress Brewing Co. ....	" bet. 54th and 55th sts., E. R. ....	37 50		
Bernard Campbell. ....	" Pier at W. 16th st. ....	250 00		
"	" bhd. at 137th st., H. R. ....	50 00		
George A. Woods. ....	Wharfage, District No. 2, N. R. ....	193 38		
Edward Abeel. ....	" 4, " ....	398 44		
B. F. Kenney. ....	" 6, " ....	380 08		
William B. Osborne. ....	" 8, " ....	73 88		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
1894.				
Feb. 27	James J. Fleming.....	Wharfage, District No. 10, N. R. ....	\$76 90	
" 27	Thomas P. Walsh.....	" 12, " .....	26 51	
" 27	Henry A. Palmstine.....	" 1, E. R .....	123 34	
" 27	Charles S. Coye.....	" 3, " .....	222 68	
" 27	James A. Monaghan.....	" 5, " .....	220 32	
" 27	Joseph F. Meehan.....	" 7, " .....	61 45	
" 27	Maurice Stack.....	" 9, " .....	65 86	
" 27	James W. Carson.....	" 11, " .....	31 35	
" 27	John J. Martin.....	" 13, N. R.....	47 84	
" 28	James A. Mundy & Bro.....	Sale of map.....	5 00	
				\$19,121 1
			\$19,121 16	\$19,121 1

Respectfully submitted,  
JAMES J. PHELAN, Treas

The Auditing Committee presented an audit of fifteen bills or claims, amo \$27,944.60, which were approved and audited and ordered to be spread in full on the i follows :

Construction Account.		
Audit No.	Name.	Amount.
13983.	Morris & Cumings Dredging Company, dredging.....	\$5,649 00
13984.	L. Meyerstein, cement.....	4,057 11
13985.	Keuffel & Esser, paper. ....	18 80
13986.	David Duncan & Son, coal.....	965 56
13987.	McNab & Harlin Manufacturing Company, belting, etc.....	103 58
13988.	The Trinidad and Asphalt Refining Company, asphalt.....	179 48
13989.	William Taylor, piles. . .	181 50
13990.	Charles N. Kimpland, piles.....	2,696 60
13991.	Millikin Brothers, iron work.....	944 04
13992.	"The Sun," advertising.....	52 00
13993.	William D. Wheelwright & Charles R. Hewitt, Estimate No. 5 and final, Contract No. 448.....	11,215 19
		\$:

General Repairs Account.		
13994.	Morris & Cummings Dredging Company, dredging. ....	\$911 25
13995.	Dennis J. Trolan, services horse, cart, etc.....	105 00

Name.	Amount.
Villson, Adams & Co., spruce.....	\$841 49
'The Sun,' advertising.....	24 00
	<u>\$1,881 74</u>
Total.....	<u><u>\$27,944 60</u></u>

Respectfully submitted,

J. SERGEANT CRAM, }  
JAMES J. PHELAN, } Auditing Committee.

action of the President, in transmitting the same with requisitions for the amount to the Department for payment, approved.

following requisitions were passed :

No.	For What.	Estimated Cost.
	forway iron.....per pound	\$ 03 ½
	ugers, etc.. .....	90 00
	ervices of horse, cart and driver .....	210 00
	epairs to diver's collar and helmet.....	20 00
	'rought-iron blocks.....	50 00
	otton hose .....	162 50
	redging.. .....	963 00
	elting.....	37 91
	'hite pine.....	198 00
	ationery and printing.....	267 72
	ervices of tugs .....	5 00
	epairs to diver's pump.....	25 00
	ras " Y " coupling .....	34 00
	ouble lift.....	126 00

Treasurer reported that he had received estimates for furnishing the Department with piles work, as follows :

*About 836 Sound and Straight Yellow, White or Norway Piles.*

	DIAMETER, 17 INCHES.	DIAMETER, 16 INCHES.	DIAMETER, 14 INCHES.
lor.....	\$10 50 each.	\$8 50 each.	\$6 25 each.
urray.....	8 75 "	8 75 "	7 50 "
teers.....	12 50 "	10 88 "	6 80 "
d & Sons.....	8 75 "	8 75 "	8 75 "
.....	9 50 "	9 50 "	9 50 "
l.....	10 40 "	10 40 "	10 40 "
Simpland.....	12 00 "	12 00 "	7 50 "
o.....	13 00 "	12 00 "	10 00 "



Iron Work.

	ANGLE IRON	SCREW BOLTS.
Peter Timmes' Son . . . . .	\$2 00 per 100 lbs.	\$3 50 per 100 lbs.
Greenlie, Wyatt & Co. . . . .	2 50 "	2 50 "

About 50 White Oak Piles and about 26 White Oak Fenders.

J. L. Mumford & Son . . . . .	\$922 21
Alfred J. Murray . . . . .	955 30
William Taylor . . . . .	972 50
Graves & Steers . . . . .	21c. per lineal foot and \$29.75 per M.

The action of the Treasurer in awarding the orders to William Taylor, Peter Timmes' Son and J. L. Mumford & Son, they being the lowest bidders, approved.

On motion, the following resolutions were unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of Pier, new 10, North river, near the foot of Albany street, in accordance with the lines now adopted or that may hereafter be adopted therefor, with a sewer-box underneath the same, extending through the bulkhead or river wall if necessary ; and that all the work hereby ordered be performed otherwise than by contract as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work except so much of the labor as is now or may hereafter be contracted for ; and that all the materials, tools, implements and dredging necessary therefor and not heretofore contracted for, which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the construction of Pier, new 11, North river, near the foot of Albany street, in accordance with the lines now adopted or that may hereafter be adopted therefor, with a sewer-box underneath the same, extending through the bulkhead or river wall, if necessary ; and that all the work hereby ordered be performed otherwise than by contract, as provided by section 714 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor as is now or may hereafter be contracted for and that all the material, tools, implements and dredging necessary therefor, and not therefore contracted for or which may hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

Board then met in executive session.

Following communications were received, read and,

motion, ordered to be placed on file :

William Douglas Moore, attorney—Demanding the reinstatement of James T. Hannigan laborer.

the Engineer-in-Chief—Recommending that George W. Carpenter, Inspector of Dredging, be formally transferred to the Department of Public Parks. Recommendation adopted.

W. W. Maclay—Tendering his resignation as First Assistant Engineer. Resignation accepted, to take effect February 28, 1894.

motion, the following resolution was adopted :

Resolved, That Andrew McC. Parker be and is hereby appointed First Assistant Engineer on full pay, with compensation at the rate of four thousand dollars per annum, to take effect March 1, 1894, subject to Civil Service rules.

motion, Dock Master Martin was assigned to take charge of District No. 11 and Dock Master Carson assigned to take charge of District No. 13, commencing March 11, 1894.

The following persons were appointed :

*Laborers.*

George F. Swift.

Mervin J. Page.

George Brickner.

Patrick H. Reagan.

James T. Hannigan.

E. C. DeKay.

*Dock Builder.*

William J. Hill.

on motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, March 8, 1894, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner White.

Absent— “ Phelan.

The minutes of the meeting held on the 1st instant were read and approved.

A representative of John H. Starin was present and requested the Board to fix the rental for the twenty feet of bulkhead near the foot of Cortlandt street, leased by resolution of December 14, 1893.

The application of Hencken & Co., for permission to replace their coal derrick foot of Stanton street, in accordance with diagram submitted, was tabled until March 15, 1894.

The following communications were referred to the Dock Master :

From the East River Gas Company—Requesting permission to store castings temporarily on one of the City's piers.

From Charles W. Davis—Requesting permission to erect a temporary shed 10 by 20 feet on Pier, new 32, East river.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Old Colony Steamboat Company—To drive piles at Pier, old 28, North river.

New York, New Haven and Hartford Railroad Company—To repair the bulkhead between Piers 44 and 45, East river.

Pennsylvania Railroad Company—To repair Piers, new 29 and old 40 and 41, North river.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

New York Coaling and Elevating Company—To place two platform scales underneath the coal-pockets on the bulkhead between Twenty-ninth and Thirtieth streets, North river.

Old Dominion Steamship Company—To erect an awning shed on the bulkhead at Pier, new 20, North river, in accordance with diagram submitted.

James D. Leary—For permission to use about 100 feet of bulkhead near the foot of One Hundred and Third street, Harlem river, for the purpose of landing light scows. The regular rates of wharfage to be charged.

The following communications were received, read, and

On motion, ordered to be placed on file :

From the Finance Department :

1st. Requesting to be informed when the work of building the new piers near the foot of East Sixtieth street will be commenced. The action of the President in replying thereto approved.

2d. Requesting maps of wharf property belonging to the City, now used for ferry purposes, the leases of which expire May 1, 1894, in order that proper rentals be fixed by the Commissioners of the Sinking Fund. The action of the President in replying thereto approved.

From the Counsel to the Corporation :

1st. Approving form of Contracts Nos. 466, 467, 468 and 469.

2d. Requesting the views of the Board respecting Assembly bills Nos. 230 and 636. Notify him that the bills are improper and should not become a law.

3d. Inclosing copies of agreement with John H. Starin for the construction of a bulkhead-wall two hundred and forty feet southerly of Dey street. The officers of the Board authorized to execute.

From the Department of Public Charities and Correction :

1st. Requesting permission to use the Dock Master's office foot of East Eighty-sixth street as a waiting room for passengers going to and from Blackwell's Island. Application denied.

2d. Requesting filling in at Bellevue Hospital. The Engineer-in-Chief directed to examine and report.

From Henry C. Rogers, lessee—Consenting to the running of a water-pipe under the Pier foot of West Thirty-fifth street by the Manhattan Refrigerating Company.

From Oliver Bryan—Offering to sell the property foot of East One Hundred and Fourteenth street for the sum of \$2,500.

From Holmes & Philbrick—Requesting that the permit granted August 3, 1893, to occupy about 200 feet of bulkhead between Ninety-fourth and Ninety-fifth streets, East river, be transferred to them as successors of Manchester & Philbrick. Application granted.

From the Brooklyn and New York Ferry Company—Requesting a lease of all the land under water between Twenty-second and Twenty-third streets, East river. Notify said company that the lease of the premises can only be sold at public auction.

From Henderson Brothers—Requesting dredging at Pier, new 54, North river. Notify them that the lease of said pier provides that dredging shall be done by the lessee.

From William M. Montgomery, lessee - Requesting dredging at the Pier foot of East One Hundred and Nineteenth street. The Engineer-in-Chief directed to make requisition.

From the Ocean Steam-ship Company of Savannah, lessee - Requesting dredging on the south side of Pier, new 35, North river. The Engineer-in-Chief directed to make requisition.

From E. R. Robinson, attorney for the Pennsylvania Railroad Company -- Suggesting that the third clause of the third resolution, adopted by the Board of Docks, February 27, 1894, be amended.

On motion, said resolution was ordered amended accordingly.

From Charles A. Hausmann and others—Submitting a petition for the improvement of the water-way along the westerly side of the Harlem river, from the centre line of East One Hundred and fifty-eighth street to the westerly side of Seventh avenue.

On motion, the Secretary was directed to transmit the plan for said improvement to the Commissioners of the Sinking Fund for their approval.

From Turner, McClure & Rolston, attorneys—Respecting the agreement to purchase by the Department the 100 feet of bulkhead near the foot of Perry street, from their clients, December 28, 1893.

On motion, the following preambles and resolutions were adopted :

Whereas, David McClure is the attorney for Mary Emma Dutel, Fanny V. Stokes, Henrietta Maxwell and Georgianna Moriarty, owners of the bulkhead and water rights opposite the premises on West street extending southerly a distance of thirty-one feet three inches from a point sixty-eight feet nine inches south of the southerly line of Perry street, including one-half of Charles alley, together with all the rights of wharfage, cranage, advantages, emoluments and appurtenances therewith connected, and

Whereas, Said David McClure has agreed to sell to the City the aforesaid bulkhead and water rights for the sum of five hundred dollars per running foot front on West street ;

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water rights for the sum of five hundred dollars per lineal foot measured on the bulkhead-line, provided, however, that a good and sufficient title in all respects to the said property, together with all rights, terms, easements and privileges pertaining thereto or connected therewith can be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty of the City of New York, free and clear from all incumbrances, subject, however, to the approval of the Commissioners of the Sinking Fund.

Whereas, David McClure is the attorney for the Farmers' Loan and Trust Company, trustees of the estate of George S. Miller, deceased, owners of the bulkhead and water rights opposite the premises on West street, extending southerly from the southerly line of Perry street, a distance of thirty-eight feet nine inches, together with all the rights of wharfage, cranage, advantages, emoluments and appurtenances connected therewith, and

Whereas, The said David McClure has agreed to sell to the City the aforesaid bulkhead and water rights for the sum of five hundred dollars per running foot front on West street.

Resolved, That this Department enters into an agreement for the purchase of the aforesaid bulkhead and water rights, for the sum of five hundred dollars per lineal foot measured on the bulkhead-line, provided, however, that a good and sufficient title in all respects to the said property, together with all the rights, terms, easements and privileges pertaining thereto or connected therewith, can be acquired by, conveyed to and vested in the Mayor, Aldermen and Commonalty

of the City of New York, free and clear from all incumbrances, subject, however, to the order of the Commissioners of the Sinking Fund.

From Dock Master Osborne—Reporting the dumping of snow and dirt by the Department of Street Cleaning on the Pier foot of West Thirty-fourth street on the 25th ultimo.

From the Engineer-in-Chief :

1st. Report for the week ending March 3, 1894.

2d. Reporting that about 15,000 cubic yards of filling are required at East One Hundred and Tenth street.

On motion, the following resolution was adopted :

Resolved, That the specifications submitted by the Engineer-in-Chief of this Department for filling in behind the bulkhead or river wall, now building foot of East One Hundred and Tenth street, be and are hereby approved and the Secretary be and is hereby directed to advertise the same for privilege at public auction in the CITY RECORD and other newspapers designated by law.

3d. Reporting repairs required to the water-pipe leading to Pier, new 43, North river, Engineer-in-Chief directed to repair.

4th. Reporting repairs required to the bulkhead platform, east side of Pier 40, North river, Lessee directed to repair.

5th. Reporting the dumping of snow on Piers, new 29, and foot of Third street, East of Pier, by the Department of Street Cleaning on the 1st instant.

6th. Reporting the non-removal of dirt and rubbish deposited by the Department of Street Cleaning at West Washington Market and Canal Street Section. The Engineer-in-Chief directed to remove.

7th. Reporting the completion of the extension to the ferry-rack on the northerly side of Pier, new 19, North river, February 5, 1894, and the occupation of said premises by the New York, New Jersey and Western Railroad Company, under permit granted July 28, 1892, as amended January 1, 1892. The Treasurer authorized to collect.

8th. Submitting a modified plan for the improvement of the water-front between the foot of Pier, new 46, and Gansevoort street, North river.

On motion, the following resolution was adopted :

Resolved, That pursuant to the provisions of section 712 of chapter 410 of the Laws of 1871, as amended by chapter 397 of the Laws of 1893, the map or plan prepared and submitted to the Engineer-in-Chief, and adopted this day by the Board of Docks of the City of New York, for the alteration and amendment of the plan for improving the water-front and harbor of the City of New York, as determined by the Board of the Department of Docks, April 13, 1871, and adopted by the Commissioners of the Sinking Fund, April 27, 1871, on the North river, between the foot of Pier, new 46, near the foot of Charles street, and a point 18.02 feet north of the north side of Gansevoort street, be and is hereby directed to be transmitted to the Commissioners of the Sinking Fund, for their approval.

gh. Report on Secretary's Order No. 13576, submitting the cost of dredging at the landing for House of Refuge boats, foot of One Hundred and Twentieth street and westerly side of Randall's Island, Harlem river, accompanied by tracings. The Treasurer authorized to collect.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13448. That no work will be done toward repairing the backing-log on the bulkheads adjoining Pier, new 36, North river.

On motion, the order of December 21, 1893, was revoked.

No. 13531. Recommending that the owners and lessees be directed to repair the approach to Pier 15, East river. Recommendation adopted.

No. 13615. That he had furnished the information requested by the Department of Public Works of Philadelphia.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 9692. Filling-in between Thirty-seventh and Thirty-eighth streets, North river, by the Pennsylvania Railroad Company.

No. 12008. Cleaning Pier foot of Fifty-first street, North river.

No. 13388. Cleaning and repairing Pier at Forty-sixth street, North river.

No. 13544. Repairs to bulkhead platform, west side, Pier 40, East river.

No. 13545. Placing seven new cargo derricks north side Pier, new 38, North river, by the White Star Steamship Company.

No. 13569. Dredging north side of Pier foot of Fortieth street, North river.

No. 13582. Repairs to Pier at Thirty eighth street, North river.

No. 13605. Removal of ashes from the Pier foot of Third street, East river, by the Department of Street Cleaning.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 12899. Painted designations on ends of piers and bulkheads on North, East and Harlem rivers.

No. 13539. Repaired sheathing on approach to Piers, new 46 and 47, North river.

No. 13559. Fenced off the bulkhead platform at terminus of Seventh avenue, Harlem river.

No. 13584. Placed a landing place for new steam launch, Department Public Charities and Correction, on southerly side of southerly Pier at Eighty-sixth street, East river.

No. 13593. Repaired pavement in front of approach to Pier foot of Bogart street.

The Engineer-in-Chief submitted partial reports on Secretary's Order No. 13399, repairs to south side of Pier at East Twenty-eighth street, and to the temporary approach to Pier, new 57, North river.

The Engineer-in-Chief returned Secretary's Orders Nos. 13514 and 13590.



On motion, the Engineer-in-Chief was directed to pave the new-made land in front of the Dominion Steamship Company's sheds on the bulkhead at Pier, new 26, North river, and the head on each side of said pier under unanimous resolution of the Board, passed November 29, excepting that the concrete foundation shall be omitted.

The following report of receipts for the week ending March 7, 1894, amounting to \$31,95 was received from the Treasurer and ordered to be spread in full on the minutes, as follows :

DATE	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D E B T
1894.					
Mar. 1	Hudson Tunnel Railway Co..	1 qrs. rent reclaimed land, S. Pier, new 42, N. R. ....	\$500 00		
" 1	Carroll Box & Lumber Co....	1 mos. rent, north side Pier at 19th st., N. R. ....	125 00		
" 1	Dela., Lack. & West. R. R. Co.	1 qrs. rent, Pier, new 41, N. R. ....	7,625 00		
" 1	"	" bhd., each side Pier, new 41, N. R. ....	1,325 00		
" 1	Quebec S. S. Co. ....	1 mos. rent, bhd. bet. Piers, new 46 and 47, N. R. ....	83 33		
" 1	N. J. Steamboat Co. ....	" Pier, old 40, N. R. ....	1,666 67		
" 2	Robert S. Briggs. ....	1 qrs. rent, Pier at 18th st., N. R. ....	550 00		
" 2	Adam Neidlinger. ....	" bhd., etc., at 64th st., E. R.	175 00		
" 2	George Law (estate). ....	" N. 1/2 Pier at 10th st., and S. 1/2 Pier at 11th st., E. R. ....	375 00		
" 2	James Shewan. ....	1 mos. rent, berth Dry Dock, S. Stanton st., E. R. ....	208 33		
" 2	James E. Ward & Co. ....	" l. u. w. plm. bet. Piers 16 and 17, E. R. ....	147 86		
" 2	N. Y. & Texas S. S. Co. ....	1 qrs. rent, W. 1/2 Pier 21, E. R. ....	1,650 00		
" 2	"	" E. 1/2 Pier 20, E. R. ....	1,925 00		
" 2	"	" bhd. bet. Piers 20 and 21, E. R. ....	250 00		
" 6	Central R. R. of N. J. ....	2 mos. rent, S. 1/2 Pier 14, and bhd. adjoining N. R. ....	2,875 00		
" 6	Penn. R. R. Co. (assignee) ....	1 qrs. rent, Pier, new 29, N. R. ....	7,500 00		
" 6	Thomas Ward. ....	1 mos. rent, bhd., etc., S. 80th st., N. R. ....	83 33		
" 6	Maine S. S. Co. ....	1 qrs. rent, Pier, old 38 and 1/2 bhd. westerly, E. R. ....	3,000 00		
" 6	"	" l. u. w. pfm. adjoining north side Pier 38, E. R.	99 63		
" 6	George A. Woods. ....	Wharfage, District No. 2, N. R. ....	240 83		
" 6	Edward Abeel. ....	" 4, " ....	202 84		
" 6	B. F. Kenney. ....	" 6, " ....	138 69		
" 6	W. B. Osborne. ....	" 8, " ....	39 86		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
James J. Fleming.....	Wharfage, District No. 10, N. R .....	\$89 00		
Thomas P. Walsh.....	“ 12, “ .....	29 50		
A. Palmstine.....	“ 1, E. R.....	94 73		
Charles S. Coye.....	“ 3, “ .....	304 98		
James A. Monaghan.....	“ 5, “ .....	156 78		
Joseph F. Meehan.....	“ 7, “ .....	125 30		
George Stack.....	“ 9, “ .....	99 18		
James W. Carson.....	“ 11, “ .....	17 00		
John J. Martin.....	“ 13, N. R.....	51 40		
William M. Montgomery.....	1 qrs. rent, Pier at 119th st., H. R....	200 00		
John Day... ..	Blue print plans, Class 4, Contract No. 469.....	5 00		
		\$31,959 24	\$31,959 24	Mar. 7.

Respectfully submitted,

ANDREW J. WHITE, Acting Treasurer.

auditing Committee presented an audit of twenty-two bills or claims, amounting to which were approved and audited and ordered to be spread in full on the minutes, as

Name.	Construction Account.	Amount.
Fares .....		\$337 50
Dentals .....		177 53
		\$515 03

Annual Expense Account.	
Fares, etc.....	99 61

Construction Account.	
James Engle, Estimate No. 1 and final Contract No. 461.....	\$1,640 00
James & Cumings Dredging Company, dredging.....	6,785 49
Alexander Pollock, iron work, etc.....	838 33
Arntson N. Motley & Co., iron work.....	2,227 72
Bershausen Bros., towing.....	462 50
Stewart, coal.....	153 60
Johnson Bros., wrenches, etc.....	112 46
John Good Cordage and Machinery Company, rope.....	404 19
Wincken's Son & Co., coal... ..	293 00

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Audit No.	Name.	Amount.
14010.	Dame & Townsend Company, pipe, etc.....	\$20 25
14011.	Brown & Miller, wheel, etc.....	163 00
14012.	McNab & Harlin Manufacturing Company, zinc., etc.....	108 97
14013.	Hodgman Rubber Company, hose, etc.....	77 50
14014.	Charles N. Kimpland, piles.....	2,262 00
14015.	Brown & Fleming, rip-rap.....	1,156 40
		<hr/> \$16,7

General Repairs Account.

14016.	Morris & Cumings Dredging Company, dredging .....	\$842 06
14017.	William Taylor, piles .....	65 00
14018.	Thomas Kelly, services, horse, cart, etc.....	210 00
14019.	The J. L. Mott Iron Works, basin covers, etc.....	78 85
		<hr/> 1,195
Total .....		<hr/> \$18,515

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
13984.	Tools.....	\$100 00
13985.	Services of horse, cart and driver.....	210 00
13986.	Repairs to transits and chains .....	97 00
13987.	Stoves.....	12 00
13988.	Saws.....	162 00
13989.	Pipe and fittings.....	75 25
13990.	Silt basins. ....	223 00
13991.	Eight-day clock.....	8 50
13992.	Rip-rap.....	875 00
13993.	Printing, etc.....	16 00
13994.	Spruce plank... ..	530 20
13995.	Piles.....	6,672 00
13996.	White oak.....	1,885 45
13997.	Services of horses, carts and drivers.....	210 00
13998.	Grate bars.....	82 50
13999.	Clothing.....	46 00
14000.	Roofing paper.....	80 00
14001.	Duplicating apparatus.....	18 00
14002.	Slate floor slabs.....	70 00

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Order No.	For What.	Estimated Cost
1003.	Dredging.....	\$187 50
1004.	Dredging.....	4,687 50
1005.	Hickory wood.....	30 00
1006.	Towels.....	18 00

The Treasurer reported that he had received estimates for furnishing the Department with wrought-iron screw-bolts, etc., as follows ;

*About 39,500 Lbs. Wrought Iron.*

Alexander Pollock.....	per lb.	1 83-100c.
Greenlie, Wyatt & Co.....	"	1 97-100c.
John Lloyd.....	"	2 20-100c.
Whiten Bros.....	"	3 75-100c.

The action of the Treasurer in awarding the order to Alexander Pollock, he being the lowest bidder, approved.

On motion, the Department of Public Works was requested to lay water-mains and locate hydrants at proper intervals on the new-made land under the control of this Department along West Street, where not already done.

The Secretary reported the receipt of \$742 from the Commissioners and employees of the Department as an additional contribution for the relief of the poor and distressed of the City, which was directed to be transmitted to his Honor the Mayor.

On motion, the Secretary was directed to readvertise for estimates for furnishing and putting in place small cobble and rip-rap stones, and for furnishing and delivering sand and broken stone under Contract No. 465.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending March 2, 1894, amounting to \$11,397.46, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOGHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read, and

On motion, ordered to be placed on file :

From the New York City Civil Service Boards--Respecting the appointment of A. McC. Parker as First Assistant Engineer.

From District Assembly No. 49, Knights of Labor—Protesting against any work being done under the new plan except by day's work, and also protesting against the use of the 100-ton derrick by private parties.

From the Engineer-in-Chief—Recommending the discharge of Laborers Walter Graham, James P. McCaffery, William Mitchell and John T. Sullivan.

On motion, said Graham, McCaffery, Mitchell and Sullivan were discharged.

Peter Rutledge, Dock Builder, was discharged.

The following persons were appointed :

*Laborers.*

James P. Fallon.	John Bracken.	Leo Devlin.
Patrick O'Neil.	Henry Ringsdorf.	

*Dock Builders.*

Frank Cashin.	Charles Hennis.	Archibald Gillies.
Ambrose Moran.	Thomas Sullivan.	James Daly.

*Foreman Laborer.*

John J. O'Rourke.

The Board opened estimates this day at 11 o'clock A. M., for furnishing sawed spruce timber for furnishing and delivering manila hemp rope and other cordage ; for building and furnishing movable steam derrick, with all appurtenances ; and for furnishing and delivering steam-fitting wrought-iron and steel tools and pier iron under Contracts Nos. 466, 467, 468 and 469, a representative of the Comptroller being present.

Five estimates were received under Contract No. 466.

	CLASS ONE.	CLASS TWO.	CLASS THREE.
	Sawed Spruce for bulkhead-wall.	Spruce planks for repairs.	Spruce planks for Piers.
1. Bell Brothers, with security deposit, \$300.....	\$21 00	\$20 90	\$20 45
2. Yellow Pine Company, with security deposit, \$300.....	21 00	21 00	21 00
3. Willson, Adams & Co., with security deposit, \$300.....	21 00	20 95	20 75
4. The East River Mill and Lumber Company, with security deposit, \$300.....	21 00	Informal.	Informal
5. John C. Orr, with security deposit, \$300.....	20 58	20 52	20 25

Two estimates were received under Contract No. 467.

1. Michael Cavanagh, with security deposit, \$60.....	\$2,536 09
2. The Manhattan Supply Company, with security deposit, \$60.....	2,604 99

Two estimates were received under Contract No. 468.

1. New York Building and Contracting Company, with security deposit, \$50.....	\$2,050 00
2. John F. Walsh, Jr., with security deposit, \$50.....	2,431 00

Seven estimates were received under Contract No. 469.

	CLASS ONE.	CLASS TWO.	CLASS THREE.	CLASS FOUR.
	Steam-fittings.	Wrought Iron and Steel.	Tools.	Pier Iron.
1. Thomas F. Nunan, with security deposit, \$22.50....	No bid.	No bid.	\$621 00	No bid.
2. Sylvester N. Leary, with security deposit, \$235....	No bid.	No bid.	No bid.	\$9,140 00
3. Henry A. Rogers, with security deposit, \$290.....	\$325 00.	\$445 00	680 00	7,750 00
4. Grenlie, Wyatt & Co., with security deposit \$290.	356 00	455 00	No bid.	Informal.
5. The Manhattan Supply Company, with security } deposit. \$55.....	349 00	529 00	1,074 50	No bid.
6. Abel Brothers, with security deposit, \$450.....	Informal.	Informal.	Informal.	Informal.
7. M. J. Drummond, with security deposit, \$235. ....	No bid.	No bid.	No bid.	10,525 00

On motion, the following resolutions were adopted :

Resolved, That the contract opened this day for furnishing sawed spruce timber under Contract No. 466, be and hereby is awarded to John C. Orr, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for manila hemp rope and other cordage, under Contract No. 467, be and hereby is awarded to Michael Cavanagh, he being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for building and furnishing a movable steam derrick with all appurtenances, under Contract No. 468, be and hereby is awarded to the New York Building and Contracting Company, they being the lowest bidder, upon the approval of the sureties by the Comptroller.

Resolved, That the contract opened this day for furnishing and delivering steam-fittings, wrought-iron and steel tools, and pier iron, under Contract No. 469, including Class 1, Class 2 and Class 4 only, be and hereby is awarded to Henry A. Rogers, he being the lowest bidder for each class, upon the approval of the sureties by the Comptroller.

Resolved, That the Contract opened this day for furnishing and delivering steam-fittings, wrought-iron and steel tools and pier iron, under Contract No. 469, including only Class 3 of said contract, be and hereby is awarded to Thomas F. Nunan, he being the lowest bidder, for said class, upon the approval of the sureties by the Comptroller.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board, No. 100, Battery place, Thursday, March 15, 1894, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner White.

Absent— “ Phelan.

The minutes of the meeting held on the 8th instant were read and approved.

The application of J. Wesley Smith for permission to locate a platform, scales and ice-bridge on the bulkhead bounded by Little West Twelfth and Bloomfield streets, North river, was referred to the Dock Master.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Department of Public Charities and Correction—To erect a passenger and waiting room on the Pier foot of East Eighty-sixth street, to remain thereat only during the pleasure of the Board.

Atlas Steamship Company—To repair Pier, new 55, North river.

Charles W. Davis—For small shed on Pier, new 32, East river, said shed to remain thereat only during the pleasure of the Board.

Charles T. Van Santvoord—To repair the Pier foot of West Twenty-second street.

New Haven Steamboat Company—To drive piles at Piers 25 and 26, East river.

Michael McGrath—To remove a portion of the fence between Eightieth and Eighty-first streets, East river.

The following permit was granted, to continue only during the pleasure of the Board ; compensation to be fixed by the Treasurer :

Al Foster Steamboat Company—To occupy a berth at the Pier foot of West Forty-fourth street, and to land at the Battery wharf twice a day.

The following permits were granted on the usual terms :

Brooklyn and New York Ferry Company—To make repairs for three months to their ferry premises foot of Roosevelt, Grand and Twenty-third streets, East river.

Hencken & Co.—To replace their coal derrick foot of Stanton street, in accordance with diagram submitted.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department—In reference to the substitution of surety on Contract No. 467.

On motion, the following resolution was adopted :



Resolved, That permission be and the same is hereby granted to the substitution of **Moses Valenstein** as surety in the place of **Patrick Cavanagh**, on estimate of **Michael Cavanagh**, for furnishing and delivering manila hemp rope and other cordage under Contract No. 467.

From the Counsel to the Corporation :

1st. In reference to Assembly Bill No. 230.

2d. Requesting an additional requisition for \$89.75 expenses incurred in the examination of the bulkhead property involved in the suit of **Walter F. Kingsland vs. the Mayor, etc.**, and the bulkhead between Twenty-eighth and Thirtieth streets, North river, formerly owned by the **Ray** estate. The Chief Clerk directed to prepare requisition.

From the Police Department—Respecting the detailing of an officer at the unused Pier foot of West Thirty-ninth street.

From the Pennsylvania Railroad Company—Accepting the terms and conditions of the resolutions adopted February 27, 1894, leasing the bulkhead adjoining Piers, new 28 and 29, North river.

From the International Navigation Company :

1st. Requesting permission to pay the cost of driving piles to support the shed on Pier, new 14, North river, and the expense of widening and extending said pier outright, instead of paying 8 per cent. per annum on the cost of said work. Application granted.

2d. Requesting permission to put additional piling at Pier, new 15, North river, in accordance with plans submitted. The Engineer-in-Chief directed to do the work, and report the cost thereof for collection.

From **H. M. Loud**—Requesting an extension of time to complete the deliveries of sawed yellow pine timber, under Contract No. 456.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the deliveries of sawed yellow pine timber under Contract No. 456, **H. M. Loud**, contractor, be and hereby is extended until March 10, 1894.

From Dock Master **Coye** :

1st. Reporting repairs required to the pavement at Pier, new 29, East river. The Engineer-in-Chief directed to repair.

2d. Reporting repairs required to platform between Piers 40 and new 32, East river. New York and Northern Railway Company directed to repair.

From Dock Master **Kenney** :

1st. Reporting that the backing-log on the bulkhead between Piers, old 56 and 57, North river, requires raising and the bulkhead regrading ; also repairs required to the decking on the Pier foot of **Bogart** street, and spring-piles required at the outer end of said pier ; that the bulkhead between **Bogart** and **Bloomfield** streets requires repairs and that bridging should be placed on the bulkhead

between Bogart and Bloomfield streets so that teams can drive to the backing-log. The Engineer-in-Chief directed to do the work.

2d. Reporting that the Piers foot of Bethune, Jane and Little West Twelfth streets require cleaning. Lessees directed to clean.

3d. Reporting that the backing-log between Fourteenth and Fifteenth streets, North river, requires raising and the pavement in front of said bulkhead repairing. Owners directed to do the work.

From Dock Master Carson -- Reporting his inability to collect from the Forty-second Street, Manhattanville and St. Nicholas Avenue Railroad Company rental for the tracks on the marginal street, wharf or place, between One Hundred and Ninth and One Hundred and Tenth streets, Harlem river, in accordance with permit granted said company December 8, 1892. Transmit him to the Counsel to the Corporation.

From the Engineer-in-Chief :

1st. Report for the week ending March 10, 1894.

2d. Reporting repairs required to the pavement in front of Pier, old 39½, North river. Occupants directed to repair.

3d. Recommending that a temporary pavement be laid along the bulkhead between Fifty-fourth and Fifty-sixth streets, North river. Recommendation adopted.

4th. Reporting damage to scow "K" by ferry-boat "Oregon" of the Brooklyn and New York Ferry Company. The Engineer-in-Chief directed to repair and report cost for collection.

5th. Recommending that the plans submitted by the Pennsylvania Railroad Company for a bed on the bulkhead adjoining Piers, new 28 and 29, North river, under resolution of February 7, 1894, be approved as amended in red. Recommendation adopted.

6th. Reporting the completion of the bulkhead-wall 140 feet in length north of East Ninety-sixth street. The Dock Master directed to collect wharfage.

7th. Reporting repairs required to Piers, new 57, 61, 62 and 63, North river, and Piers 45 and new 36, East river. Lessees notified to repair.

8th. Reporting repairs required to Pier "A," Pier at West Forty-seventh street, Bulkhead between Seventy-seventh and Seventy-ninth streets, and pavement on the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-third streets, North river. The Engineer-in-Chief directed to repair.

9th. Reporting that Pier 3, East river, is in a dangerous condition. The owners directed to repair.

10th. Recommending the sale of certain old material.

On motion, the following resolution was adopted :

Resolved, That Van Tassell & Kearney, auctioneers, on behalf of this Board, be and hereby are authorized and directed to offer for sale at public auction at various places on the North and East rivers, Monday, April 2, 1894, commencing at 10 o'clock A. M., certain old material as recommended by the Engineer-in-Chief.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13103. Renewal of ferry-bridge and repairs to ferry-rack Fort Lee Ferry, foot of Manhattan street, North river.

No. 13523. Repairs to bulkhead between West Twelfth and Bethune streets, North river.

No. 13533. Repairs to bulkhead-platform between Thirty-ninth and Fortieth streets, North river.

No. 13578. Erection of a dump upper side of Pier foot of East One Hundred and Tenth street, Harlem river.

No. 13583. Repairs to Pier at Forty-ninth street, North river.

No. 13587. Repairs to outer end of Pier 18, East river.

No. 13592. Raising string-piece on bulkhead north of West Eleventh street.

No. 13598. Placing vertical oak fenders in front of bulkhead between Piers, new 14 and 15, North river.

No. 13599. Dredging half-slips adjoining south side of Pier 62, East river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13509. Repaired pavement on the upper and lower Piers foot of Eighty-sixth street, East river.

No. 13541. Repaired sheathing on inner end of Pier, new 43, North river.

No. 13542. Repaired sheathing on deck of Pier, old 54, North river.

No. 13603. Repaired upper Pier foot of Eighty-sixth street, East river.

No. 13604. Repaired lower Pier foot of Eighty-sixth street, East river.

No. 13634. Repaired water-pipe leading to south side of Pier, new 43, North river.

The Engineer-in-Chief returned Secretary's Orders Nos. 13423 and 13543.

On motion, the Dock Master was directed to collect no wharfage from Matthew Stripp in addition to the compensation fixed by the Board on the first instant, for the use of a portion of the bulkhead between Piers, new 21 and 22, North river.

On motion, the Commissioner of Public Works was requested to issue a permit to Thomas Eagleton, to open hydrants for the purpose of sprinkling docks, wharves and bulkheads, west of West street, from March 19 to about November 20, 1894.

The Secretary reported that the right to dump and fill in behind the bulkhead on river was now building between the southerly line of East One Hundred and First and the southerly line of East One Hundred and Third streets, on the East river, had been sold this day to John

bids for \$4,000, he being the highest bidder, in accordance with the following terms and conditions of sale :

DEPARTMENT OF DOCKS,  
PIER "A," BATTERY PLACE, NORTH RIVER, }  
NEW YORK, March 1, 1894.

Messrs. Van Tassell & Kearney, auctioneers, will sell at public auction, in the Board Room, "A," Battery place, in the City of New York, on Thursday, March 15, 1894, at 11 o'clock forenoon, for and on account of the Department of Docks, the right to dump and fill in the bulkhead or river wall now building between the southerly line of East One Hundred First street and the southerly line of East One Hundred and Third street, on the East river, as far to the westward as the line of original high-water mark.

Privilege to fill in the said premises will be sold to the highest bidder, and the price for such work or privilege must be paid at the time of sale. The material to be dumped or filled in must be composed of clean ashes, sand, loam, earth, etc., or of stone ; if of stone, no piece of stone must be larger than 16 inches in its largest dimensions, and all material must be dumped and filled in only at such times and places and in such manner as shall be directed by the Engineer-in-Chief of the Department of Docks, or such other officer or employee of the Department of Docks as may be designated by him, and all the work of dumping and filling-in must be done under the direction of the Engineer-in-Chief or designated employee.

The estimated quantity to be filled in at the said premises is about 30,000 cubic yards, more or less ; but this quantity is approximate only, and the Department is not bound in any way by such estimate, and bidders must satisfy themselves of the quantities required to fill in at the place named by examination of the premises, or such other means as they may prefer, the intention of the Department being to fill in the whole of the said premises behind the bulkhead or river wall when it is completed and ready to have filling put in behind it.

The Department of Docks reserves the right to fill in 2,500 loads at this place.

In case the party who is the highest bidder does not proceed with the work of filling-in to the satisfaction of the Board of Docks, the said Board will at once proceed to have the filling-in done by other parties in such way and manner as it deems proper.

The auctioneer's fees (\$25) for filling-in on the said section must be paid by the highest bidder at the time of sale.

J. SERGEANT CRAM, } Commissioners  
JAMES J. PHELAN, } of the  
ANDREW J. WHITE, } Department of Docks.

The Acting Treasurer recommended that \$400 be accepted in full settlement of the claim of Thomas Patten for rent of land under water for platform north of Seventy-fourth street, East river, to December 1, 1893.

On motion, his recommendation was adopted.

The Secretary reported that the pay-rolls for the General Repairs and Construction force for week ending March 9, 1894, amounting to \$13,541.98, had been approved and audited and submitted to the Finance Department for payment.

The following report of receipts for the week ending March 14, 1894, amounting was received from the Acting Treasurer and ordered to be spread in full on the min

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	T
1894.				
Mar. 7	J. M. Ceballos & Co.....	1 qrs. r. nt l u. w., covered by changes in lines of Pier 10, E. R.	\$125 00	
" 8	Nassau Ferry Co.....	" bhd., etc., at and S. Houston st., E. R.....	625 00	
" 8	" .....	" l. u. w. Pier, S. Houston st., E. R. ....	75 00	
" 8	Henry C. Rogers (ass.) .....	" Pier foot 35th st., N. R....	1,250 00	
" 9	Greenpoint Ferry Co ....	" bhd. S. 24th st., E. R ....	1,025 00	
" 12	Occident Dock Co. ....	" Pier, new 59, N. R .....	3,125 00	
" 12	N. Y. L. E. & W. R. R. Co ...	" Piers, new 20 and 21, and bhd. north side Pier, old 29, N. R .....	25,000 00	
" 12	" ...	" W. 1/2 Pier 8, E. R.....	2,500 00	
" 12	" ...	" l. u. w. bet. 22d and 23d sts., N. R.....	427 87	
" 12	" ...	" l. u. w. widening Pier 8, E. R.....	375 00	
" 12	Hartford & New York Trans. Co.....	" E. 1/2 Pier 24 and bhd., E. R.....	1,625 00	
" 13	Morgan's La & Texas R.R. & S.S. Co.....	" Pier, new 25, N. R .....	8,347 03	
" 13	Southern Pacific Co.....	" Pier, new 37, N. R., and 1/2 bhd. N. and S.....	13,750 00	
" 13	Providence & Stonington S. S. Co. ....	" bhd. N. and S. Pier, new 30, N. R.....	1,125 00	
" 13	Providence & Stonington S. S. Co. ....	" Pier, new 36, and extension, N. R. ....	8,727 65	
" 13	George A. Woods.....	Wharfage District No. 2, N. R.....	200 55	
" 13	Edward Abeel.....	" 4, " .....	381 04	
" 13	B. F. Kenney .....	" 6, " .....	100 95	
" 13	W. B. Osborne.....	" 8, " .....	100 78	
" 13	James J. Fleming.....	" 10, " .....	92 00	
" 13	Thomas P. Walsh.....	" 12, " .....	56 70	
" 13	H. A. Palmstine. ....	" 1, F. R.....	132 62	
" 13	Charles S. Coye .....	" 3, " .....	323 81	
" 13	James A. Monaghan .....	" 5, " .....	200 98	
" 13	Maurice Stack.....	" 7, " .....	181 97	
" 13	James F. Meehan.....	" 9, " .....	86 50	
" 13	John J. Martin.....	" 11, " .....	29 64	

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
James W. Carson.....	Wharfage, District No. 13, N. R.....	\$86 18		1894.
George A. Woods.....	Storage of trucks.....	18 50		
			\$70,247 80	Mar. 14
		\$70,247 80	\$70,247 80	

Respectfully submitted,  
ANDREW J. WHITE, Acting Treasurer.

Auditing Committee presented an audit of thirteen bills or claims amounting to \$4,996.16, approved and audited and ordered to be spread in full on the minutes, as follows :

Construction Account.

Name.	Amount.	Total.
Metropolitan Telephone and Telegraph Company, telephone service.....	\$132 80	
East River Mill and Lumber Company, spruce.....	2,165 50	
Loyd, iron.....	35 95	
Sam Taylor, piles.....	159 60	
Low Pine Company, lumber.....	291 56	
Shab & Harlin Manufacturing Company, pipe, etc.. ..	67 36	
A. Roebling's Sons Company, wire rope.....	329 87	
Wes & Steers, yellow pine.....	169 15	
P. Sheridan, rip-rap.....	645 42	
J.L. Mott Iron Works, stoves.....	10 70	
Lineograph Company, lineograph.....	18 00	
		\$4,025 91

General Repairs Account.

ward McKeever, services horse, cart, etc.....	\$283 50	
ris & Cumings Dredging Company, dredging... ..	686 75	
		970 25
		\$4,996 16

Respectfully submitted,  
J. SERGEANT CRAM, } Auditing  
ANDREW J. WHITE, } Committee.

ion of the President, in transmitting the same with requisitions for the amount to the department for payment, approved.



From the Engineer in-Chief :

1st. Recommending that his action in suspending Laborer, Acting Watchman, O. J. Foley, for ~~in~~ days be approved. Recommendation adopted.

2d. Recommending the discharge of Laborer, Acting Watchman, Timothy Horgan.

On motion, said Horgan was discharged.

3d. Reporting that Dock Builder John H. Link and Laborer Frank McCoy have been laid ~~and~~ are unassigned to duty for having been absent three successive days without being ~~used~~.

On motion, restored to duty.

From James J. White, Hydrographer—Requesting an increase of salary.

On motion, the following resolution was adopted :

Resolved, That the compensation of James J. White, Hydrographer, be and is hereby fixed at the rate of one hundred and twenty-five dollars per month, to take effect April 1, 1894.

On motion, the compensation of Richard Munster, Captain of derrick "City of New York," was fixed at the rate of \$20 per week, to take effect March 17, 1894.

On motion, Dock Master Carson was directed to take charge of District No. 9, and Dock Master Stack to take charge of District No. 13, from and after Sunday, March 18, 1894.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.





At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, March 22, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner White.

Absent— " Phelan.

The minutes of the meeting held on the 15th instant were read and approved.

The report of the Engineer-in-Chief on Secretary's Order No. 13630 respecting the dredging required on the south side of Pier, new 35, North river, was referred to the President, who recommended that the Engineer-in-Chief be directed to make requisition for said dredging, which recommendation was adopted.

The application of James Parks, lessee, for dredging the slips adjoining Pier foot of West Forty-eighth street, was referred to the Engineer-in-Chief.

The following communications were referred to the Treasurer :

From the Finance Department—Respecting the preamble and resolution adopted February 21, 1894, relative to the system of paying employees in this Department.

From Arthur McMullen & Company—Requesting permission to use the Pier foot of One Hundred and Fortieth street, Harlem river.

From William H. Jones—Requesting permission to maintain a bathing-house at One Hundred and Fifty-first street, North river.

From the Street Sprinkling Association—Offering to sprinkle the new made land from the westerly side of West street to the bulkhead-line between Eleventh and Fifteenth streets, and between Twenty-second and Twenty-third streets, North river, for the sum of \$7 per day.

From Edward J. McCluskey—Requesting permission to repair the northerly half of the bulkhead between Thirty-eighth and Thirty-ninth streets, East river, together with the report of the Engineer-in-Chief on Secretary's Order No. 13672 in reference thereto.

Report on Secretary's Order No. 13638 as to the application of the Department of Public Charities and Correction for filling in at Bellevue Hospital.

The following permits were granted, to continue only during the pleasure of the Board :

Cedar Hill Ice Company—For platform, scales and weigh office on the bulkhead between the West Twelfth and Bloomfield streets.

New York and Long Branch Steamboat Company—To land at the Battery wharf during the season of 1894, compensation to be fixed by the Treasurer.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Providence & Stonington Steamship Company—To place fenders for the protection of discharge pipe at the bulkhead between Piers, new 36 and 37, North river.

Tenth and Twenty-third Street Ferry Company—To change the location of the lights on the south side of Pier foot of East Twenty-fourth street.

Brown & Fleming—To dredge at the dumping-boards foot of Fortieth and Sixtieth streets, East river.

The following permits were granted to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To lay railroad tracks at the foot of West Thirty-eighth street.

Knickerbocker Ice Company—To locate ice bridge scales and weigh house on the Pier foot East Twenty-ninth street.

Yellow Pine Company—To drive about sixty piles in front of the timber basin between One Hundred and Twenty-fifth and One Hundred and Twenty-sixth streets, Harlem river.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Counsel to the Corporation :

1st. Approving form of Contract No. 470.

2d. Transmitting duplicate copies of the lease of the extension to Pier, new 36, North river, the Providence and Stonington Steamship Company, and form of agreement for the purchase of certain bulkhead rights on the westerly side of West street, in the vicinity of Perry street, from the Farmers' Loan and Trust Company, trustees of the estate of George S. Miller, deceased, Mary Emma Dutel, Fannie V. Stokes, Henrietta Maxwell and Georgianna Moriarty. The officers of the Board authorized to execute.

3d. Transmitting check for \$400 in settlement of the claim against Thomas Patten for rent of land under water for platform north of Seventy-fourth street, East river, as recommended by the Acting Treasurer on the 15th instant, and stating that the necessary steps will be taken to discontinue the action.

From the Finance Department :

1st. In reference to the substitution of sureties on Contracts Nos. 466 and 469.

On motion, the following resolutions were adopted :

Resolved, That permission be and hereby is granted for the substitution of Henry Steers as surety in the place and stead of Henry C. Graves, on estimate of John C. Ori, for furnishing sawed spruce timber under Contract No. 466.

Resolved, That permission be and the same is hereby granted for the substitution of Samuel Joyce and Thomas Cleary as sureties in the place of Morris Nunan and Thomas R. Taltavall.

estimate of Thomas F. Nunan, for furnishing and delivering steam fittings, wrought iron and steel, tools and pier iron under Contract No. 469, Class 3.

2d. Approving sureties on Contracts Nos. 467 and 469, Class 1, 2 and 4.

From the residents and property-owners in the vicinity of Manhattan street, North river, requesting an increase of dock facilities. Notify them that all the city property in the vicinity is improved, and that the water-front south of One Hundred and Twenty-ninth street is under the jurisdiction of the Department of Public Parks.

From John Peirce—Requesting an extension of time for the completion of Contract No. 455.

On motion, the following resolution was adopted :

Resolved, That the time for the completion of the deliveries of granite stone for bulkhead or pier-wall under Contract No. 455, John Peirce, contractor, be and hereby is extended to April 15, 1894, provided the written consent of the sureties is filed in this office.

From Dock Master Kenney—Reporting adversely on the application of J. Wesley Smith of the 21st instant for permission to locate scales and ice-bridge on the bulkhead between Bloomfield and Little West Twelfth streets. Application denied.

From Dock Master Woods—Reporting damage to Pier, new 22, North river, on the 21st instant by the ferryboat "Newburgh" of the West Shore Railroad Company. The Engineer-in-Chief directed to repair and report the cost for collection.

From the Acting Treasurer—Recommending that the compensation to be charged Lawrence Price for berthing the steamer "Anata" at the pier foot of West Thirteenth street be reduced to \$4 per day, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

From the Engineer-in-Chief :

1st. Report for the week ending March 17, 1894.

2d. Recommending that the Counsel to the Corporation be requested to advise whether the Commissioner of Public Works has the power to change the grade of Twelfth avenue, between Fifty-fifth and Fifty-eighth streets, and Fifty-sixth, Fifty-seventh and Fifty-eighth streets, between Eleventh and Twelfth avenues, and if not in whom such power is vested. Recommendation adopted.

3d. Respecting the claim for dredging at One Hundred and Twentieth street, Harlem river, and Randall's Island.

On motion, the action of the Board of the 8th instant, directing the Treasurer to collect the cost of such dredging from the House of Refuge, was rescinded.

4th. Recommending the removal of the fences, lumber and merchandise from the northerly half the block between Twenty-fifth and Twenty-sixth streets, North river. Owners directed to move.

5th. Respecting the grades of the exterior wharf, street or place between Forty-ninth and Fifty-third streets, East river.

On motion, the following resolution was adopted :

Resolved, That the grades shown in red on the "Map of grades of Exterior or Marginal street wharf or place, extending along the westerly shore of the East river, in the City of New York, from the northerly line of East Forty-ninth street to the southerly line of East Fifty-third street, made under the provisions of section 5 of chapter 286 of the Laws of 1889," this day submitted by the Engineer-in-Chief of this Department, be and hereby are fixed and adopted by this Board, and that the Secretary be and hereby is directed to file one copy of said map in the office of this Department, one in the office of the Register of the City and County of New York, one in the office of the Commissioner of Public Works, New York, and one in the office of the Secretary of State.

6th. Reporting repairs required to Pier at Twelfth street, North river.

On motion, the lessee was directed to repair the north half of said Pier, in conjunction with repairs to be made by the Department to the south half.

The Engineer-in-Chief submitted the following reports on Secretary's Orders :

No. 13636. Submitting cost of the removal of rubbish and dirt at West Washington Market Canal, and north of Canal street, dumped by the Department of Street Cleaning.

No. 13561. Submitting the cost of repairing Pier foot of West Twentieth street, damaged by the steamer "State of Nebraska."

No. 13664. That the bulkhead between Piers, old 56 and 57, North river, does not require regrading.

No. 13550. Submitting cost of taking up and relaying pavement in front of Pier, new 36, North river. The Treasurer authorized to collect from the Providence and Stonington Steamship Company.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13585. Raised backing log on bulkhead between Seventy-fifth and Seventy-sixth streets, North river.

No. 13586. Raised backing log on bulkhead between Seventy-sixth and Seventy-seventh streets, North river.

No. 13618. Made requisition for dredging at dumping-board foot of Nineteenth street, North river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders:

No. 13407. Repairs to ferry premises of Brooklyn and New York Ferry Company at Grand and Twenty-third streets, East river.

No. 13525. Dumping condemned material by Department of Public Works in rear of crib, north end of Stanton Street Section.

No. 13538. Repairs to bulkhead between Fourteenth and Fifteenth streets, North river.

No. 13611. Repairs to Pier, new 54, North river.

No. 13622. Driving piles north and south sides Pier, old 28, North river.

No. 13640. Repairs to Pier, new 55, North river.

No. 13641. Repairs to old wooden bulkhead in front of Pier, old 39½, North river.

No. 13668. Cleaning pier foot of Bethune street, North river.

The Engineer-in-Chief submitted partial reports on Secretary's Order No. 13399, viz.: cost of erecting a mooring post south side of Pier at Twenty-eighth street, East river; repairing pavement west of approach to Pier foot of Eighteenth street, East river, and repairs to the bolts holding fender piles northeast corner of pier foot of East One Hundred and Tenth street.

The Engineer-in-Chief returned Secretary's Orders Nos. 13549 and 13666.

The Engineer-in-Chief and Dock Masters reported the following repairs required :

Pier 2, North river.

Pier 4, North river.

Piers, new 27 and 28, North river.

Pier at Jane street.

Pier at Little West Twelfth street.

Pier at West Seventeenth street.

Upper half of Pier 19, East river.

—which the owners and lessees were directed to repair.

Pier at West Thirtieth street.

Pier at West Seventy-ninth street.

Pavement on the bulkhead at Thirteenth avenue and Eleventh street.

Lower half of Pier 19, East river.

Pier at East Third street.

—which the Engineer-in-Chief was directed to repair.

On motion, the following resolutions were adopted :

Resolved, That in accordance with the provisions of the resolutions adopted February 27, 1894, the rental to be charged the Pennsylvania Railroad Company for a lease of the bulkhead extending from the north side of Pier, new 28, North river, northerly a distance of seventy-one feet, more or less, to a point half way between Piers, new 28 and 29, North river, for a period of ten years, from September 1, 1894, be fixed at the rate of six thousand dollars per annum, payable quarterly in advance to the Treasurer of this Department. The annual rental for the renewal term of said lease to be fixed at an advanced rental of ten per cent. per annum, payable quarterly in advance, as hereinbefore provided.

Resolved, That the rental to be charged the Pennsylvania Railroad Company for a lease of bulkhead extending half way between Piers, new 28 and 29, North river, northerly to a point twenty feet north of the north side of Pier, new 29, North river, for a period of seven years, from March 1, 1894, be fixed at the rate of nine thousand dollars per annum, payable quarterly in advance to the Treasurer of this Department. The annual rental for the renewal term of said

lease to be fixed at an advanced rental of ten per cent. per annum, payable quarterly in hereinbefore provided.

Resolved, That in accordance with the provisions of the resolution adopted December 1893, the rental to be charged John H. Starin for a lease of the bulkhead near the foot of Cortlandt Street extending twenty feet immediately southerly from the water grant of said Starin, be at the rate of one thousand two hundred dollars per annum, payable quarterly in advance to the Treasurer of this Department. The annual rental for the renewal term of said lease to be fixed at an advanced rental of ten per cent. per annum, payable quarterly in advance, as hereinbefore provided.

The following report of receipts for the week ending March 21, 1894, was received by the Acting Treasurer and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL
1894.				
Mar. 13	Thomas E. Crimmins .....	Filling-in bet. 23d and 24th sts., N. R., P. 1 to 2,500.....	\$500 00	
" 15	John D. Crimmins.....	" bet. 101st and 103d sts., E. R.	4,000 00	
" 15	New York Horse Manure Co.	1 qrs. rent, Pier at 45th st., N. R. ....	875 00	
" 16	William J. Murray.....	" bhd. bet. Piers, new 1 and old 1, N. R.....	250 00	
" 16	" .....	" Pier foot 99th st., E. R. ....	375 00	
" 16	H. L. Herbert .....	" Pier at 20th st., E. R.....	125 00	
" 16	William H. Clark, Counsel to the Corporation .. ...	Compromise settlement of claim against Thomas Patten, for rent, l. u. w., pfm. north of 74th st., E. R., to December 1, 1893.....	400 00	
" 19	Owens & Co.....	1 qrs. rent, bhd. pfm. at 47th st., E. R.	137 50	
" 20	Baltimore & Ohio R. R. Co..	" Pier at W. 17th st., N. R..	1,125 00	
" 20	" ..	" l. u. w., pfm., E. and W., Pier 27, E. R .....	268 75	
" 20	" ..	" Pier at 37th st., E. R.....	250 00	
" 20	George A. Woods .....	Wharfage, District No. 2, N. R.....	110 01	
" 20	E. Abeel .....	" 4, " .....	210 27	
" 20	B. F. Kenny .....	" 6, " .....	100 53	
" 20	W. B. Osborne.....	" 8, " .....	85 20	
" 20	James J. Fleming .....	" 10, " .....	121 23	
" 20	Thomas P. Walsh .....	" 12, " .....	37 22	
" 20	H. A. Palmstine.....	" 1, E. R.....	218 40	
" 20	Charles S. Coyne.....	" 3, " .....	751 50	
" 20	James A. Monaghan.....	" 5, " .....	171 77	
" 20	Joseph F. Meehan.....	" 7, " .....	126 33	

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
Maurice Stack.....	Wharfage, District No. 9, E. R.....	\$75 64		
John J. Martin.....	" " " " .....	31 50	\$10,354 85	Mar. 21
		\$10,354 85	\$10,354 85	

Respectfully submitted,  
ANDREW J. WHITE, Acting Treasurer.

The Auditing Committee presented an audit of twenty bills or claims, amounting to \$5.17, which was approved and audited and ordered to be spread in full on the minutes as follows:

No.	Name.	Construction Account.	Amount.
	Martin B. Brown, printing.....		\$559 25
	Alexander Pollock, lead castings, etc.....		332 11
	John Early & Co., broom, cant hooks, etc.....		231 30
	The Yale & Towne Manufacturing Company, 1 Yale & Towne lift.		126 00
	John Loyd, wire screen.....		120 00
	J. H. Bunnell & Co., 1 switch....		264 25
	Peter Timme's Sons, spike.....		146 50
	Hodgman Rubber Co., hose.....		118 75
	The Gutta Percha and Rubber Manufacturing Company, belt.....		105 50
	Joseph Edwards & Co., 1 disc.....		17 00
	Page Belting Company, belting.....		37 91
	Brown & Fleming, cobble.....		2,545 75
	L. Meyerstein, cement.....		1,991 40
	C. Burnett, tools, etc.....		275 27
	Barth S. Cronin, Estimate No. 1, Contract No. 463.....		6,121 19
			----- \$12,992 18
		General Repairs Account.	
	Forris & Cumings Dredging Company, dredging... ..		\$776 72
	Wood & Robinson, spruce.....		840 04
	Martin B. Brown, printing.....		260 25
			----- 1,877 01
		Acquired Property Account.	
	William H. Clark, Counsel to the Corporation, searcher's fees.....		89 75



Construction Account.

Audit No.	Name.	Amount.
14052.	H. M. Loud, Estimate No. 4, final, Contract No. 456.....	\$15,406 2
Total....		\$30,365

Respectfully submitted,

J. SERGEANT CRAM, )  
ANDREW J. WHITE, ) Auditing Committee.

The action of the President in transmitting the same, with requisitions for the amount, to Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Cost
14016.	Dredging .....	\$3,750
14017.	Dredging .....	4,625
14018.	Dredging .....	200
14019.	Rip-rap .....	1,000
14020.	Paving .....	9,000
14021.	Paving .....	8,300
14022.	Paving .....	3,377
14023.	Dredging .....	431
14024.	Cotton waste, etc .....	58
14025.	Rip-rap .....	875
14026.	Repairs to circular saws .....	30
14027.	Services of tugs .....	5
14028.	Piping and fittings .....	248
14029.	Printing, etc .....	12
14030.	Piles .....	520
14031.	Brass thumb-screw, bolts, etc .....	41
14032.	Asphalt .....	1,134
14033.	Piles .....	3,250
14034.	Profile paper, etc .....	81
14035.	Flags .....	10
14036.	Leather cushions .....	12
14037.	Steel plates .....	100
Requisition No.		
622.	Woven-wire door mats .....	10

The Treasurer reported that he had received estimates for furnishing the Department with piles and white oak, as follows :

About 602 Sound and Straight Piles, from 70 to 86 Feet Long.

Alfred J. Murray.....	\$5,173 50
William Taylor.....	5,270 90

oud .....	\$5,390 82
umford & Son.....	5,733 00
impland.....	5,475 00
& Steers.....	5,832 50
s & Co.....	6,633 00
Beard.....	7,236 00

About 599 Pieces of White Oak.

. Walsh, Jr.....	\$29 73 per M.
& Steers .....	29 85 “
lotley & Co .....	32 75 “
. Moore .....	38 00 “
iver Mill and Lumber Co.....	58 00 “

re action of the Treasurer in awarding the orders to Alfred J. Murray and John F. Walsh, Jr.,  
ing the lowest bidders, approved:

re Secretary reported that the right to dump and fill in behind the bulkhead or river wall  
ilding at East One Hundredth street had been sold this day to William F. Cunningham for  
he being the highest bidder in accordance with the following terms and conditions of sale :

DEPARTMENT OF DOCKS,  
PIER “ A,” BATTERY PLACE, NORTH RIVER, }  
NEW YORK, March 8, 1894.

essrs. Van Tassell & Kearney, auctioneers, will sell at Public Auction, in the Board Room,  
A,” Battery place, in the City of New York, Thursday, March 22, 1894, at 11 o’clock in the  
n, for and on account of the Department of Docks, the right to dump and fill in behind the  
ad or river wall now building at East One Hundredth street. The filling will be put in to  
ght of 5 feet above mean high water, behind the bulkhead or river wall from the northerly  
East One Hundredth street to a line 20 feet southerly of said street and parallel thereto.

ivilege to fill in the said premises will be sold to the highest bidder, and the price for such  
r privilege must be paid at the time of sale. The material to be dumped or filled in must  
posed of clean ashes, sand, loam, earth, etc., or of stone ; if of stone, no piece of stone must  
ter than 16 inches in its largest dimensions, and all material must be dumped and filled in  
such times and places and in such manner as shall be directed by the Engineer-in-Chief of  
partment of Docks, or such other officer or employee of the Department of Docks as may be  
ted by him, and all the work of dumping and filling in must be done under the direction of  
gineer-in-Chief or designated employee.

e estimated quantity to be filled in at the said premises is about 15,000 cubic yards, more or  
it this quantity is approximate only, and the Department is not bound in any way by such  
, and bidders must satisfy themselves of the quantities required to fill in at the place named,  
ination of the premises, or such other means as they may prefer, the intention of the  
ent being to fill in the whole of the said premises behind the bulkhead or river wall when it  
nd ready to have filling put in behind it.

In case the party who is the highest bidder does not proceed with the work of filling in to the satisfaction of the Board of Docks, the said Board will at once proceed to have the filling in done by other parties in such way and manner as it deems proper.

The Auctioneer's fees (\$25) for filling in on the said section must be paid by the highest bidder thereon at the time of sale.

J. SERGEANT CRAM,  
JAMES J. PHELAN,  
ANDREW J. WHITE,

}

Commissioners  
of the  
Department of Docks.

The Secretary reported the tonnage of vessels berthed on the North, East and Harlem rivers for the month of January, 1894, which was ordered to be spread in full on the minutes, as follows:

<i>North River.</i>		
Foreign .....	262,592	
Domestic.....	778,496	
		1,041,088
<i>East River.</i>		
Foreign .....	19,453	
Domestic .....	505,063	
		524,516
<i>Harlem River.</i>		
Foreign .....	454	
Domestic. ....	11,160	
		11,614
Total .....		1,577,218

The Secretary reported that the pay-rolls for the General Repairs and Construction Force for the week ending March 23, 1894, amounting to \$13,160.60, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

On motion, the compensation of John J. Quinn and Augustus Luersen, Laborers, was fixed at the rate of \$75 per month, and the compensation of Robert Heaton, Thomas J. Larkin, William E. Morgan, William J. Tubbs, George J. Tierney and Max Silverberg, Laborers, was fixed at the rate of \$65 per month, to take effect April 1, 1894.

The resignation of Frank M. Donohue, Laborer, was accepted.

On motion, the following preambles and resolution were adopted :

Whereas, The Board of Docks, at a meeting held February 8, directed Patrick H. McCullough, Roundsman, to appear February 15, 1894, and show cause why he should not be discharged for neglect of duty ; and

Whereas, February 15, 1894, the said McCullough appeared as directed, and the Board, upon hearing the testimony, reserved its decision ; and

Whereas, The Board having considered the evidence given at the trial February 15, 1894, for neglect of duty, and being convinced of the truth of the charge ;

Resolved, That Patrick H. McCullough, Roundsman, be and is hereby discharged from the service of this Department, to take effect March 26, 1894.

John Howard, Dock Builder, was discharged.

The following persons were appointed :

*Laborers.*

Philip Packenham.

James T. Dunn.

Michael Cody.

John J. Quinn.

Augustus Luerson.

John O'Brien.

*Dock Builders.*

Daniel O'Connell.

Archie McDougall.

Edmund Spilane.

Patrick Gately.

Orrin R. Chamberlain.

*Ship Carpenter.*

Edward Cavanagh.

*Scowman.*

Joseph Devlin.

The Board opened estimates this day, at 11 o'clock A. M., for furnishing and putting in place small cobble and rip-rap stones and for furnishing and delivering sand and broken stone, under Contract No. 465, a representative of the Comptroller being present.

Three estimates were received, as follows :

	CLASS ONE.	CLASS TWO.	CLASS THREE.	CLASS FOUR.
	Cobble-stone, per cubic yard.	Rip-rap Stone, per cubic yard.	Sand, per cubic yard.	Broken Stone, per cubic yard.
Andrew A. Bouker, with security deposit, \$310.....	\$1 05	\$0 48½	No bid.	\$1 63½
own & Fleming, with security deposit, \$360.....	98	50	\$0 80	1 65
P. Sheridan, with security deposit, \$100.....	No bid.	52½	No bid.	No bid.

**MARCH 22, 1894.]**

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On motion, the Secretary was directed to transmit to the Comptroller the security deposit made by said bidders and accompanying their estimates, whereupon the following resolution was adopted :

Resolved, That the Board having decided the prices named for the various supplies excessive all bids received this day were rejected.

On motion, the Board adjourned.

**AUGUSTUS T. DOCHARTY, Secretary.**

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, March 29, 1894, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner White.

Absent— “ Phelan.

The minutes of the meeting held on the 22d instant were read and approved.

James A. Wright, Jr., second vice-president International Navigation Company, appeared and stated that his company desired to pay the cost of driving additional piles to support the shed on the Washington Pier (Pier, new 14, North river), together with the expense of widening and extending said pier, as an annual rental instead of making one payment.

On motion, the resolution of March 15, 1894, was revoked.

The application of Barth. S. Cronin, for an extension of time until March 24, 1894, to complete the work of repairing the Pier foot of West Forty-fourth street, under Contract No. 463, together with the report of the Engineer-in-Chief in relation thereto, was tabled.

The application of Sol. Mehribach, for a lease of the southerly half of the bulkhead between Ninety-sixth and Ninety-seventh streets, East river, was tabled for one week.

The report of the Dock Master, as to the repairs required to the platform at the bulkhead at Pier 35½, East river, was referred to the Engineer-in-Chief to examine and report.

The following communications were referred to the Dock Master :

From M. M. Allen—Requesting permission to place a scow and dumping-board for thirty days at the foot of Eighty-first street, North river, for the purpose of receiving cellar dirt.

From Wright & Cobb—Requesting a berth near the foot of Broome street, East river.

The following permits were granted, to continue only during the pleasure of the Board ; the work to be done under the supervision of the Engineer-in-Chief :

Yonkers City Ice Company—To erect engine, engine-house and place shafting under platform between Twenty-first and Twenty-second streets, North river.

James Shewan & Sons—For portable office and small tool-house on Pier 62, East river, and to string-piece on the adjoining bulkhead.

Stokes & Thedford—To place a hoisting engine and coal hopper on the north half of the bulkhead between Twenty-eighth and Twenty-ninth streets, North river ; compensation to be fixed by Treasurer.

The following communications were received, read, and,

On motion, ordered to be placed on file :

From the Finance Department—Approving sureties on Contract No. 466 and Class 3 of Contract No. 469.

From the Secretary of State, Albany, N. Y.—Acknowledging receipt of map of exterior street from the northerly line of East Forty-ninth street to the southerly line of East Fifty-third street, for filing in accordance with law.

From the President of the House of Refuge—Thanking the Board for canceling the bill for dredging at Randall's Island and One Hundred and Twentieth street, Harlem river.

From James Shewan & Sons—Stating that they will take possession of Pier 62, East river April 1, in accordance with the resolution of February 21, 1894.

From the Pennsylvania Railroad Company—Stating that the repairs ordered on the 22d instant to Piers 4 and new 27 and 28, North river, will receive attention.

From John G. Smith and Thomas Gearty, sureties—Consenting to the extension of time granted John Peirce on the 22d instant for the completion of Contract No. 455.

From Simon Sterne, attorney for Hudson Tunnel Railway Company—Requesting an extension of time in which to vacate the premises south of Morton street, North river. Time extended May 1, 1894.

From the Empire Coal Company—Stating that they will vacate the north side of Pier 54, East river, occupied under permit dated December 7, 1893.

On motion, said permit was revoked and the Secretary directed to return the bond indemnifying the City against accidents on said premises.

From J. M. Ceballos & Co.—Stating that the dredging ordered February 21, 1894, in the channel between Piers 9 and 10, East river, is unnecessary.

On motion, the order directing the dredging of the half slip adjoining the north side of Pier 10 and the half slip adjoining the south side of Pier 10, East river, was revoked.

From the Washington Heights Taxpayers' Association—Approving the plan submitted to the Board of Docks February 21, 1894, for the improvement of the water-front in the vicinity of Sherman's Creek, Harlem river.

On motion, the following resolution was adopted :

Resolved, That pursuant to the provisions of section 712 of chapter 410 of the Laws of 1881 as amended by chapter 397 of the Laws of 1893, the map or plan submitted by the Engineer-in-Chief for the improvement of the water-front on the westerly side of the Harlem river

Man's Creek, be and hereby is approved and directed to be transmitted to the Commissioners of the Sinking Fund for their approval.

From Dock Master Martin—Reporting the sinking of the barge "Senator," at One Hundred and Forty-fifth street, east side of Harlem river. Owners directed to remove.

From the Engineer-in-Chief :

1st. Report for the week ending March 24, 1894.

2d. Reporting the erection without a permit of a shed on the bulkhead between Fifty-fourth and Fifty-fifth streets, East river. Consumers' Brewing Company, lessee, directed to apply for a permit.

3d. Reporting the erection without a permit of three stables near the northerly end of the platform between Thirty-eighth and Thirty-ninth streets, East river.

On motion, the owners were directed to remove, and the Dock Master directed to appear before the Board Thursday, April 5, 1894, and explain why he failed to make a report in reference hereto.

4th. Reporting damage to the propeller wheel of the tug "Pier" on the 27th instant at the foot of East Twenty-fourth street. The Engineer-in-Chief directed to repair.

5th. Report on Secretary's Order No. 13361—Submitting the area of land under water covered by platform, racks and ferry bridge of the Hoboken Ferry Company, between Thirteenth and Fourteenth streets, North river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13554. That he had provided uniforms for boatmen, deck-hands, etc., as directed, February 1, 1894.

No. 13608. Replaced chocking and repaired fender-piles north side of Pier 61, East river.

No. 13650. Renewed about sixty half-round fenders in front of bulkhead between Seventy-seventh and Seventy-ninth streets, North river.

No. 13679. Drove and fastened piles under the City dump, southerly side of Pier at Seventy-ninth street, North river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13494. Erection of a temporary dock at One Hundred and Thirty-first street, Harlem river.

No. 13606. Repairs to pavement in front of Pier, old 34, East river.

No. 13628. Repairs to south side of Pier, new 29, North river.

No. 13637. Repairs to bulkhead, between Piers 44 and 45, East river.

No. 13645. Removal of portion of the fence, between Eightieth and Eighty-first streets, East river.



The Engineer-in-Chief submitted a partial report on Secretary's Order No. 13399, that work of repairing the outer end of Pier 60, East river, was finished March 22, 1894.

On motion, the owners were directed to repair Pier, old 1, North river, Pier 18, East river ; lessees were directed to repair Pier 34, East river, and the Engineer-in-Chief was directed to rep the Pier at West Seventy-ninth street.

On motion, the permit granted Brown & Fleming, March 16, 1893, to use a portion of t dumping-board of the Department of Street Cleaning on the Pier foot of West Nineteenth stre was revoked and the Engineer-in-Chief directed to examine and report as to the extension of s pier to the pier-head line of 1890.

On motion, the claim against the scow "Sadie F. Hoagland" and owners, amounting \$255.90, was directed to be sent to the Counsel to the Corporation for collection.

On motion, the Department of Public Charities and Correction was referred to the Depa ment of Public Parks for the mould requested by them on the 22d instant, for filling-in in t vicinity of Bellevue Hospital.

- On motion, the following resolutions were adopted :
- Resolved, That the Engineer-in-Chief be and hereby is directed to pave the new-made la southerly of the Old Dominion Steamship Company's shed on the bulkhead at Pier, new 26, No river, and bulkhead on southerly side of said pier, under the unanimous resolution of the Boar passed on the 29th November, 1893, except that the concrete foundations will be omitted.
- Resolved, That the Engineer-in-Chief be and hereby is directed to pave the new-made la northerly of the Old Dominion Steamship Company's shed on the bulkhead at Pier, new 26, No river, and the bulkhead on the southerly side of said pier, under the unanimous resolution of t Board, passed on the 29th November, 1893, except that the concrete foundations will be omitted.

The following report of receipts for the week ending March 28, 1894, amounting to \$13,689. was received from the Acting Treasurer, and ordered to be spread in full on the minutes, follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DA DEF ITE
1894.					189.
Mar. 22	William F. Cunningham.....	Filling in atE ast 100th street, E. R...	\$1,600 00		
" 23	L. Edward Muller.....	1 mos. rent, bhd. S. Pier, new 39, N. R.	125 00		
" 27	George A. Woods.....	Wharfage, District No. 2, N. R.....	160 65		
" 27	Edward Abuel.....	" 4, " .....	400 11		
" 27	B. F. Kenney.....	" 6, " .....	155 70		
" 27	W. B. Osborne.....	" 8, " .....	179 93		
" 27	James J. Fleming.....	" 10, " .....	80 07		

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1894.					1894.
Mar. 27	Thomas P. Walsh.....	Wharfage, District No. 12, N. R.....	\$98 20		
" 27	H. A. Palmstine.....	" 1, E. R.....	75 83		
" 27	Charles S. Coye.....	" 3, ".....	281 64		
" 27	James A. Monaghan.....	" 5, ".....	154 47		
" 27	Joseph F. Meehan.....	" 7, ".....	91 25		
" 27	James W. Carson.....	" 9, ".....	22 06		
" 27	John J. Martin.....	" 11, ".....	26 25		
" 27	Maurice Stack.....	" 13, ".....	66 03		
" 28	Baltimore & Ohio R. R. Co....	Seventy-nine days rent, Pier, new 22, and bhd. each side, N. R.....	10,172 60	\$13,689 79	Mar. 28
			\$13,689 79	\$13,689 79	

Respectfully submitted,

ANDREW J. WHITE, Acting Treasurer.

The Auditing Committee presented an audit of twenty-four bills or claims, amounting to \$7,300.05, which were approved and audited and ordered to be spread in full on the minutes, as follows :

*Construction Account.*

Audit No.	Name.	Amount.
14053.	Moquin & Offerman, Estimate No. 1, Contract No. 462. ....	\$1,959 38
14054.	Heipershausen Bros., towing.....	252 50
14055.	John Loyd, grate bars, etc.....	71 04
14056.	The Ansonia Clock Company, clock.....	8 50
14057.	A. Schrader & Son, repairs to helmet.....	18 50
14058.	Annin & Co., flags.....	10 00
14059.	William B. Leddy, augers, etc.....	94 30
14060.	J. Henry Haggerty, oil.....	24 39
14061.	Howard Place, clothing.....	46 00
14062.	Bouker Contracting Company, rip-rap.....	1,048 40
14063.	Stackpole & Bro., repairs to transit.....	97 00
14064.	Carroll Box and Lumber Company, lumber.....	142 01
14065.	The East River Mill and Lumber Company, lumber.....	201 57
14066.	McNab & Harlin Manufacturing Company, couplings, etc.....	34 00
14067.	Willson, Adams & Co., spruce.....	530 25
14068.	Brown & Fleming, rip-rap.....	1,287 20
14069.	The Sun, advertising.....	104 00
14070.	The New York News Publishing Company, advertising.....	120 00
		<hr/> \$6,049 04

General Repairs Account.

Audit No.	Name.	Amount.
14071.	Morris & Cumings Dredging Company, dredging .....	\$181 69
14072.	The New York News Publishing Company, advertising.....	18 00
		————— \$

Annual Expense Account.

14073.	Martin B. Brown, printing.....	\$922 12
14074.	The New York News Publishing Company, advertising.....	24 00
14075.	The Sun, advertising.....	77 20
14076.	E. Fincken's Son & Co., wood.. ..	28 00
		————— 1,
Total .....		<u><u>\$7,</u></u>

Respectfully submitted,

J. SERGEANT CRAM, { Auditing  
ANDREW J. WHITE, { Committe

The action of the President in transmitting the same, with requisitions for the amount, Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimate
14038.	Ash cans. ....	
14039.	Services of horse, cart and driver.....	
14040.	Dredging .....	
14041.	Canvas .....	
14042.	Dredging .....	4,
14043.	Services of horse, cart and driver.....	
14044.	Cobble.....	4,
14045.	White oak.....	
14046.	Spruce .....	
14047.	Kerosene .....	
14048.	Engine oil.....	
14049.	Galvanized iron .....	
14050.	Dredging.....	=====

The Treasurer reported that he had received estimates for paving new-made land, as f

*The Necessary Labor and Material for the Paving with Granite or Syenite Blocks, Ne  
Land, near Piers, new 25, 26 and 27, North River.*

The Connecticut Valley Granite and Mining Company.....	\$6
Thomas Gearty .....	7

Bernard Mahon .....	\$6,900 00
Edward McCrimlisk .....	6,878 00
Thomas Smith .....	8,634 70
Frederick Thilemann .....	6,700 00

*The Necessary Labor and Material for the Paving, with Granite or Syenite Blocks, New-made Land near Piers, new 54 and 55, North River.*

The Connecticut Valley Granite and Mining Company .....	\$5,600 00
Edward McCrimlisk .....	5,679 00
F. Thilemann .....	5,800 00
Thomas Gearty .....	6,400 00
Bernard Mahon .....	6,000 00
Thomas Smith .....	7,806 15

The action of the Treasurer in awarding the orders to the Connecticut Valley Granite and Mining Company, they being the lowest bidders, approved.

The Secretary reported that the pay-rolls for the General Repairs and Construction force, for the week ending March 23, 1894, amounting to \$13,160.60, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the New York City Civil Service Boards—Reporting that Andrew McC. Parker passed the examination for promotion to the position of First Assistant Engineer on the 22d instant.

From the Engineer-in-Chief :

1st. Reporting the suspension of Laborer Dennis O'Brien and Gordon Hay, Foreman of Laborers.

On motion, said Hay was suspended for thirty days and said O'Brien was directed to be restored to duty.

2d. Reporting that Laborer John York and Dock Builders John De Temple, Thomas La Daniel O'Connell and Thomas Farrell, have been laid off and are unassigned to duty for h  
been absent from all duty three successive days without being excused.

On motion, said York, De Temple, Lafferty, O'Connell and Farrell were discharged.

3d. Reporting that James T. Hannigan, who was appointed Laborer on the 1st instant, re  
to work as directed.

On motion, said Hannigan was requested to appear before the Board, Thursday, April 5,

The compensation of Alfred Dutton, Laborer, was fixed at the rate of \$55 per month, to  
effect April 1, 1894.

The following persons were discharged :

*Dock Builders.*

Patrick Kennelly.  
Henry C. Breslin.

James McEneachy.  
Patrick Doyle.

Richard Powers.  
Martin Hayes.

*Laborers.*

Peter Smith.  
Ferdinand Lubbe.

Patrick Cash.  
Thomas McGrane.

Stephen Wade.

The Secretary was directed to take the name of George W. Sephton, Laborer, deceased,  
the list of employees.

The following persons were appointed :

*Diver.*

Frank Newman.

*Dock Builder.*

William Shandley.

*Laborers.*

Edward W. Bostwick.  
Francis T. Meehan.

William H. Stackpole.  
James Gorman.  
Martin Hayes.

Richard Hudson.  
James Burke.

*Stone Cutter.*

Edward J. McCann.

The Board opened estimates this day at 11 o'clock A. M., for furnishing sawed yellow  
timber under Contract No. 470, a representative of the Comptroller being present.

en estimates were received as follows :

	CLASS ONE.	CLASS TWO.
	For New Sawed Yellow Pine Timber, furnished and delivered in accordance with the specifications.	For New Sawed Yellow Pine Timber, dressed to the dimensions given, furnished and delivered in accordance with the specifications.
ow Pine Company, with security deposit, \$1,000.....	\$21 48	\$21 48
se I. Eppinger, with security deposit, \$1,000.....	22 25	24 25
odore F. Booth, with security deposit, \$1,000.....	21 85	23 85
ham D. Wheelwright and Charles R. Hewitt, with } security deposit, \$1,000.....	21 33	21 33
ary C. Graves and Henry D. Steers, with security } deposit, \$1,000.....	22 20	22 20
M. Loud, with security deposit, \$1,000.....	25 94	25 94
an Anderson, with security deposit, \$1,000.....	23 45	25 45

On motion, the following resolution was adopted :

Resolved, That the contract opened this day for furnishing sawed yellow pine timber under tract No. 470, be and hereby is awarded to William D. Wheelwright and Charles R. Hewitt, being the lowest bidders, upon the approval of the sureties by the Comptroller.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



At a meeting of the Board of Docks of the City of New York, held at the office of the Board; at "A," Battery place, Thursday, April 5, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

The minutes of the meeting held on the 29th ultimo were read and approved.

The application of the Atlas Steamship Company, Limited, for a lease, with permission to add, of the bulkhead between Piers, new 55 and 56, North river, was tabled.

The application of Sol. Mehrbach for a lease of the southerly half of the bulkhead between Fifty-sixth and Ninety-seventh streets, East river, was referred to the Treasurer.

The following applications were referred to the Dock Master :

From John A. McCarthy—Requesting permission to occupy 390 feet of the northerly side of Pier 61, East river.

From A. D. Snow—Requesting a berth for a swimming bath during the season of 1894, on the north side of the Pier foot of East Third street.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Henderson Brothers—To dredge at Pier, new 54, North river.

Brooklyn and New York Ferry Company—To dredge between Twenty-second and Twenty-third streets, East river.

Pennsylvania Railroad Company—To drive piles at ferry-rack foot of Thirteenth street, North river.

Providence and Stonington Steamship Company—To repair Pier, new 36, North river.

The following permits were granted, to continue only during the pleasure of the Board, the work to be done under the supervision of the Engineer-in-Chief :

New York, New Haven and Hartford Railroad Company—To build the slip and erect a transfer bridge north of and adjoining the present transfer bridges near the foot of Willis avenue, Harlem river.

Arthur McMullen & Co.—To place a temporary tool-house on the Pier foot of One Hundred and Fortieth street, Harlem river.

Everett P. Wheeler—To extend the exterior line of the basin outside of high-water mark near the foot of East Seventy-sixth street, to be used as a bathing pool for the east side house.

Central Railroad Company of New Jersey—To run a 6-inch pipe through the bulkhead near the foot of Liberty street, North river, for the purpose of discharging clean water only.



The following communications were received, read, and

On motion, ordered to be placed on file :

From the Finance Department :

1st. In reference to the substitution of surety on Contract No 468.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted for the substitution of Geo in place of Thomas J. Murta, on estimate of the New York Building and Contract for building and furnishing a movable steam derrick, with all appurtenances, No. 468.

2d. Transmitting notice from the Department of Buildings, respecting the plan the shed on Pier, new 36, North river. Notify the lessees.

From the Department of Public Works—Stating that instructions have been issued that the plan and grade of the proposed paving on West Fifty-fifth street and Twelfth be made to conform to the plan of the Department of Docks.

From Brown & Fleming—Requesting permission to use the dump foot of Broome river. Application denied.

From William A. Hall—Requesting permission to moor a floating bath at the foot of the season of 1894, and stating that a permit has been granted him by the Department of Parks. Permit granted, to continue during the pleasure of the Board, compensation to be fixed by the Treasurer.

From Dock Master Coye—Reporting dredging required at Pier, new 29, East river. Engineer-in-Chief directed to make requisition if necessary.

From Dock Master Monaghan—Reporting favorably on the application of Wright to occupy the premises foot of Broome street, East river. Permit granted during the pleasure of the Board, compensation to be fixed by the Treasurer.

From the Acting Treasurer—Recommending that a permit be granted Arthur Co. to occupy the Pier foot of One Hundred and Fortieth street, Harlem river, during the pleasure of the Board ; compensation therefor to be paid at the rate of \$150 per month at the end of each quarter to the Treasurer, beginning April 1, 1894. Recommendation adopted.

From the Engineer-in-Chief :

1st. Report for the week ending March 31, 1894.

2d. Reporting the completion of the Pier foot of East Twenty-ninth street. No action. Dock Master to collect wharfage.

3d. Requesting that a permit be obtained from the Department of Public Works to drain to carry the water from West Fifty-seventh Street Yard into the sewer at West Street. The Secretary directed to obtain a permit.

4h. Respecting the platform in front of the bulkhead between Piers, new 35 and 36, East river, on land under water belonging to the City, for which no rental has been paid. The Engineer-in-Chief directed to remove same.

5th. Recommending that the easterly half of Pier 53, East river, be fenced off. Recommendation adopted.

6th. Report on Secretary's Order No. 13648, submitting cost of repairing the damage to scow "K" by ferryboat "Oregon." Treasurer authorized to collect.

On motion, the owners, occupants and lessees were directed to repair the following premises in accordance with the report of the Engineer-in-Chief :

Pier 3, East river.

Pier 4, East river.

Pier 9, East river.

Pier 11, East river.

Pier 13, East river.

Pier 14, East river.

Pier 15, East river.

Pier 18, East river.

Pier 21, East river.

Pier 24, East river.

Pier 27, East river.

Pier 33, East river.

Pier 34, East river.

Pier 35, East river.

Pier 38, East river.

Pier 40, East river.

Pier 47, East river.

Pier 52, East river.

Bulkhead between Piers 9 and 10, East river.

Bulkhead between Piers 10 and 11, East river.

Bulkhead between Piers 13 and 14, East river.

Bulkhead between Piers 14 and 15, East river.

Bulkhead between Thirteenth and Fourteenth streets, North river.

On motion, the Engineer-in-Chief was directed to make the following repairs in accordance with his report :

Pier "A," North river.

Pier 44, East river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

No. 13498. The establishment of a timber basin between the Piers foot of West Fifty-fourth and West Fifty-fifth streets.

No. 13601. Placing Dock Master's office at Pier 43, North river, and removal of structure in front of said pier.

No. 13647. Repaired pavement on the bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-third streets, North river.

No. 13658. Repairs to Pier "A," North river.

No. 13665. Repaired Pier, old 57, North river.

No. 13674. Removed fences, lumber and merchandise from the north half of the block between Twenty-fifth and Twenty-sixth streets, North river.

No. 13680. Repaired the Pier foot of West Thirtieth street.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

- No. 10403. Filling in between Twenty-seventh and Twenty-eighth streets, North river.
- No. 10590. Filling in at West Fifty-seventh Street Section.
- No. 12936. Removal of float at One Hundredth street, East river.
- No. 13450. Repairing and relaying gas-pipes, between Twenty-third and Fifty-seventh streets, North river, by the Consolidated Gas Company.
- No. 13595. Dredging at the Pier foot of West Forty-sixth street.
- No. 13669. Cleaning the Pier foot of Jane street.
- No. 13694. Dredging at the dumping-board foot of East Fortieth street.
- No. 13695. Dredging at the dumping-board between Fifty-ninth and Sixtieth streets, North river.

On motion, the Engineer-in-Chief was directed to remove the accumulation of rubbish deposited by the Department of Street Cleaning on the Pier foot of West Seventy-ninth street, reported by Dock Master February 21, 1894.

The Secretary reported the pay-rolls for the month ending March 31, 1894, amounting to \$13,978.91, and the pay-rolls for the General Repairs and Construction force for the week ending March 30, 1894, amounting to \$12,903.75, had been approved and audited and transmitted to the Finance Department for payment.

The Secretary reported the receipt of \$473.10 from the employees of this Department as a contribution from them for the relief of the poor and distressed of the city, which was directed to be transmitted to his Honor the Mayor.

The Secretary reported that the old material sold April 2, pursuant to the resolution adopted March 15, 1894, realized the sum of \$42.39.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending April 4, 1894, amounting to \$47,937.13, which was received and ordered to be spread in full in the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	D
1894.					
Mar. 28	W. W. Rossiter .....	1 qrs. rent, Pier, new 57. N. R.....	\$6,250 00		
" 30	John A. Bouker.....	" bhd. foot E. 73d st., E. R..	200 00		
" 30	" .....	" N. 1/2 and outer end of Pier foot of W. 12th st.....	525 00		
" 30	" .....	" Pier at 46th st., N. R.....	750 00		
Apr. 2	Carroll Box and Lumber Co.,	1 mos. rent, N. side Pier at 19th st., N. R.....	\$125 00	\$7,725 00	N
" 2	Cedar Hill Ice Co.....	" bhd. foot Little W. 12th st., N. R.....	125 00		

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894
Pacific Mail S. S. Co.....	1 qrs. rent, Pier, new 34 and bhd., N. R.	\$15,105 74		
Simpson, Spence & Young....	" Pier, new 56, N. R.....	7,500 00		
Sanderson & Son.....	" Pier, new 54, N. R.....	6,250 00		
Quebec S. S. Co.....	1 mos. rent, bhd. bet. Piers, new 46 and 47, N. R.....	83 33		
J. B. and J. M. Cornell.....	1 qrs. rent, bhd. bet. Piers, new 56 and 57, N. R.....	625 00		
New Jersey Steamboat Co....	1 mos. rent, Pier, old 40, N. R.....	1,666 67		
Pennsylvania R. R. Co.....	1 qrs. rent, Pier at 37th st., N. R.....	2,500 00		
Brooklyn and N. Y. Ferry Co.	" l. u. w., bet. 22d and 23d sts., E. R.....	1,729 37		
L. I. R. R. Co.....	" l. u. w., bet. Piers 32 and 33, E. R.....	500 00		
Hoboken Ferry Co.....	Repairs to ferry rack, Pier, new 43, N. R.....	296 96		
N. Y., L. E & W. R. R. Co....	" Pier, new 19, N. R.....	233 30		
" .....	" " .....	163 83		
Joseph Cornell .....	1 qrs. rent, S. side Pier W. 11th st. and bhd., N. R.....	475 00		
" .....	" Pier foot Jane st., N. R....	869 80		
George A. Woods .....	Wharfage, District No. 2, N. R.....	120 16		
Edward Abeel .....	" 4, " .....	135 68		
B. F. Kenny .....	" 6, " .....	89 58		
W. B. Osborne.....	" 8, " .....	152 64		
James J. Fleming .....	" 10, " .....	93 90		
Thomas P. Walsh .....	" 12, " .....	43 68		
H. A. Palmstine.....	" 1, E. R.....	286 68		
Charles S. Coye.....	" 3, " .....	241 44		
James A. Monaghan.....	" 5, " .....	275 56		
Joseph F. Meehan.....	" 7, " .....	117 93		
James W. Carson.....	" 9, " .....	67 41		
John J. Martin.....	" 11, " .....	38 25		
Maurice Stack.....	" 13, " .....	67 03		
James E. Ward & Co.....	1 mos. rent. l. u. w., pfm., bet. Piers 16 and 17, E. R.....	147 86		
Thomas Ward.....	" bhd., etc., S. 80th st., N. R.	83 33		
George A. Woods.....	Storage of trucks.....	2 00		
		\$47,937 13	\$40,212 13	April 4
		\$47,937 13	\$47,937 13	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of thirteen bills or claims, amounting to \$11,558.85, which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.		
Audit No.	Name.	Amount.
14077.	Morris & Cumings Dredging Company, dredging .....	\$4,683 19
14078.	H. P. Sheridan, rip-rap .....	862 07
14079.	Alexander Pollock, galvanized iron, etc. ....	320 00
14080.	Isaac Hall's Son, chain .....	47 47
14081.	John Boyle & Co., canvas .....	75 02
14082.	Greenlie, Wyatt & Co., iron work .....	1,184 45
14083.	Thomas Gearty, paving .....	3,575 00
		<hr/> \$11,558 85

General Repairs Account.		
14084.	Dennis J. Trolan, services, horse, cart, etc. ....	\$210 00
14085.	Michael Hart, services, horse cart, etc. ....	105 00
14086.	Thomas Kelly, services, horse cart, etc. ....	210 00
		<hr/>

Construction Account.		
14087.	Car-fares .....	\$150 75
14088.	Incidentals .....	96 62
		<hr/>

Annual Expense Account.		
14089.	Car-fares and incidentals .....	
Total .....		<hr/> \$1,052 42

Respectfully submitted,  
J. SERGEANT CRAM, }  
JAMES J. PHELAN, } Auditing Committee

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated Amount.
14051.	Rip-rap .....	\$
14052.	Piles .....	
14053.	Grindstone .....	
14054.	.....	
14055.	Services, etc., of dry dock .....	
14056.	Propeller wheel, etc. ....	
14057.	White pine .....	
14058.	Scrubbing brushes, etc. ....	
.....		

Register No.	For What.	Estimated Cost.
14060.	.....	.....
14061.	Sprinkling.....	\$112 00
14062.	Sprinkling.....	28 00
14063.	Sprinkling .. ..	140 00
14063.	Repairs to tug .....	84 00

The Treasurer reported that he had received estimates for paving and furnishing piles as follows :

*The Necessary Labor and Material to Pave About 2,329 Square Yards.*

Thomas Smith .....	per square yard	\$1 45
William Bradley .....	"	1 56
John G. Smith .....	"	1 70

*About 500 Sound and Straight Pine, Spruce or Cypress Piles.*

William Taylor .....	\$3,550 00
Alfred J. Murray .....	3,750 00
J. L. Mumford & Son .....	4,100 00
C. N. Kimpland .....	4,125 00
W. H. Beard .....	4,250 00
H. M. Loud .....	4,620 00
E. Mors & Co. ....	5,000 00
Gaves & Steers .....	5,250 00

The action of the Treasurer in awarding the orders to Thomas Smith and William Taylor, they being the lowest bidders, approved.

On motion, the Board adjourned.

CHARLES J. FARLEY, Acting Secretary.

The Board then met in executive session.

The communication from Thomas Ahearn, Laborer, requesting an increase of salary, was tabled.

James T. Hannigan, who was notified to be present respecting his refusal to perform the work assigned him, failed to appear.

On motion, said Hannigan was discharged.

The resignation of Frank E. Doughty, Inspector of Pier Building, was accepted.

Philip Stark was changed from Laborer to Scowman and Joseph Devlin from Scowman Laborer.

The following persons were discharged :

*Laborers.*

Edward Murtha.

Charles Nally.

*Dock Builders.*

Bernard A. Bernston.

Michael Foley.

Frank Cashin.

Joseph Conklin.

Richard Power.

George Lewis.

*Stone Cutter.*

Andrew Foster.

The following persons were appointed :

*Dock Builders.*

Thomas Lafferty.

James Maguire.

*Stone Cutter.*

John Fitzgerald.

On motion, the Board adjourned.

CHARLES J. FARLEY, Acting Secretary.

THURSDAY, April 12, 1894.

In consequence of the death of the father of Commissioner Cram, his funeral taking place this day, the meeting was adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Friday, April 13, 1894, at 11 o'clock A. M.

Present—President Cram.

“ Commissioner Phelan.

“ “ White.

The minutes of the meeting held on the 5th instant were read and approved.

The application of Russell & Deery, for an extension of time in which to vacate the premises at Twelfth avenue and Fifty-first street, was referred to the Treasurer.

The report of the Engineer-in-Chief on Secretary's Order No. 13745, as to dredging required in the half slips adjoining Pier, new 29, East river, was referred to the President.

The following communications were referred to the Engineer-in-Chief to examine and report :

From the Farmers' Feed Company—Complaining of the condition of the sewer between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river.

From W. W. Rossiter—Requesting dredging in the slips adjoining Pier, new 57, North river.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To repair their north ferry-rack, at Cortlandt street, North river.

New York, Lake Erie and Western Railroad Company, lessee—To repair the outer ends of Piers, new 20 and 21, North river.

John U. Brookman--To repair the Pier foot of East Nineteenth street.

The following permits were granted, to continue only during the pleasure of the Board ; the work to be done under the supervision of the Engineer-in-Chief :

Pennsylvania Railroad Company—To lay two railroad tracks and drive piling to support same at West Thirty-eighth street.

Consumers' Brewing Company—To erect a temporary shed forty feet wide on the bulkhead between Fifty-fourth and Fifty-fifth streets, East river.

H. A. Peck & Co.—To occupy a berth at Pier 61, East river ; compensation to be fixed by the Treasurer.



The following communications were received, read and,

On motion, ordered to be placed on file :

From the Finance Department :

1st. Approving sureties on Contract No. 468.

2d. Transmitting copy of resolution adopted by the Commissioners of the Sinking Fund on March 30, 1894.

On motion, ordered to be spread in full on the minutes, as follows :

Resolved, That the Commissioners of the Sinking Fund hereby consent to and approve the proposed improvement of the water-front, between the northerly side of Pier, new 46, near the foot of Charles street, and a point eighteen and two one-hundredths feet north of the northerly side of Gansevoort street, North river, in accordance with the resolution adopted by the Board of Commissioners on March 8, 1894, and shown on a map or plan submitted in duplicate by the Engineer-in-Chief of the Department of Docks.

From John A. Bouker, lessee—Requesting dredging on the north side of the Pier foot of Forty-sixth street.

From the Old Dominion Steamship Company—Requesting that the work of paving the bulkhead north of Pier, new 26, North river, be completed without delay and also requesting that the work of paving the bulkhead north of said pier be deferred until August, 1894.

From Brown & Fleming—Requesting permission to use the dumping-boards at Jackson and Broome streets, East river.

From James Tilley—Requesting permission to place platform-scales and weigh-house on the bulkhead between Twenty-fourth and Twenty-fifth streets, North river. Application denied.

From George Bliss, attorney—Requesting a speedy adjustment of the claim of Captain William Casey for the bulkhead at Leroy and West streets. Notify the Comptroller that the Board approve the settlement on the basis of the last decision of the Referee in the Delaplaine case.

From Thornton N. Motley—Requesting permission to pave a space fifty by fifty feet for the purpose of testing the qualifications of vitrified brick as a pavement. Permit granted at the approach to Pier, new 25, North river ; the work to be done under the supervision of the Engineer-in-Chief, without any expense to this Department, and to be finished within thirty days ; the pavement to remain thereat only during the pleasure of the Board.

From the Department of Public Works—Requesting the assignment of berths for public use during the ensuing season.

On motion, the following berths were assigned, and the Engineer-in-Chief directed to make the necessary preparations for the reception of baths, as follows :

## ON THE NORTH RIVER.

At the Battery.

West Twentieth street.

Duane street.

West Fiftieth street.

Horatio street.

West One Hundred and Thirty fourth street.

## ON THE EAST RIVER.

Market street.

Fifty-first street.

Grand street.

Ninety-fourth street.

Fifth street.

One Hundred and Twelfth street.

Eighteenth street.

One Hundred and Thirty-eighth street.

Twenty-eighth street.

From Dock Master Monaghan—Reporting that John A. McCarthy has possession of the bulkhead between Piers 58 and 59, East river, in lieu of the bulkhead between Rivington street and Pier 61.

From Dock Master Martin—Inclosing bill for towing the barge of St. John's Guild from the north to the south side of One Hundred and Thirty-ninth street, Harlem river. The Treasurer authorized to collect.

From Dock Master Carson—Recommending the placing of cleats on the bulkheads foot of East Seventy-fifth and Seventy-sixth streets, and iron rings in the rocks between said streets.

From the Treasurer :

1st. Recommending that a temporary permit be granted the Bridgeport Steamboat Company to occupy the inner end of Pier, old 36, East river, at the rate of \$1,800 per annum, payable at the end of each month to the Treasurer, commencing May 1, 1894. Recommendation adopted.

2d. Recommending that the rental to be charged Matthew Stripp for the space occupied by him between Piers, new 21 and 22, North river, be fixed at the rate of \$1,500 per annum, payable at the end of each month to the Treasurer. Recommendation adopted.

From the Engineer-in-Chief :

1st. Report for the week ending April 7, 1894.

2d. Recommending that the approach to Piers, new 57, 58 and 59, North river, and Twenty-seventh street and Thirteenth avenue, be paved with second-hand paving blocks. Recommendation adopted.

3d. Reporting the completion of the Pier foot of East Ninety-sixth street. The Dock Master directed to collect wharfage thereat.

4th. Recommending the removal of the dump owned by John Chester on the northerly side of the Pier foot of West Forty-seventh street. The Engineer-in-Chief directed to remove, provided the same is not removed within ten days.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

- No. 12560. Built a boat landing in the stone bulkhead wall between Twenty-third and Twenty-fourth streets, North river.
- No. 12787. That the work of construction of the bulkhead wall foot of Dey street has been begun by dredging for the same.
- No. 13113. Repairing pavement on the new-made land between Canal and West Tenth street.
- No. 13529. Repaired northerly half of Pier 56, East river.
- No. 13612. Repaired sheathing on deck of Pier 43, East river.
- No. 13651. Repaired sheathing on deck of Pier at Forty-seventh street, North river.
- No. 13667. Repaired the bulkhead between Bogart and Bloomfield streets.
- No. 13741. Removed rubbish from Pier foot of West Seventy-ninth street.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

- No. 12945. The construction of Pier, new 13, with its northerly line parallel to Pier, new 13, North river.
- No. 13528. Repairs to southerly half of Pier 56, East river.
- No. 13631. Placing two platform-scales underneath the coal-pockets on bulkhead between Twenty-ninth and Thirtieth streets, North river.
- No. 13632. Made requisition for dredging at Pier at One Hundred and Nineteenth street, Harlem river.
- No. 13643. Repairs to spring piles on Pier foot of West Twenty-second street.
- No. 13655. Repairs to Pier, new 61, North river.
- No. 13699. Made requisition for dredging the half slip adjoining the south side of Pier, new 35, North river.

The Engineer-in-Chief submitted a partial report on Secretary's Order No. 13399, that the work of repairing the Pier at East Eighteenth street was finished April 7, and at Twenty-eighth street, East river, April 9, 1894, and returned Secretary's Orders Nos. 13330, 13434 and 13649.

- The Engineer-in-Chief submitted the following reports on Secretary's Orders :
- No. 13691. As to the dredging required at the Pier foot of West Forty-eighth street.
  - No. 13102. As to the claim of M. C. Dexter, for damages to his swimming bath foot of West Thirty-fourth street.
  - No. 13459. As to the tests made by Dr. Moore, of cordage, hawsers, etc.

The Secretary reported the tonnage of vessels berthed on the North, East and Harlem rivers for the month of February, 1894.

On motion, ordered to be spread in full on the minutes, as follows :

<i>North River.</i>		
Foreign . . . . .	247,585	
Domestic . . . . .	646,831	
		<hr/>
		894,41

*East River.*

Foreign .....	19,137	
Domestic .....	482,800	
	<u>          </u>	501,937

*Harlem River.*

Foreign .....	110	
Domestic. ....	3,543	
	<u>          </u>	3,653

Total . . . . .	<u>          </u>	<u>1,400,006</u>
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On motion, the Engineer-in-Chief was directed to repair the following premises :

Battery wharf.

Pier 44, East river.

North side of Pier 56, East river.

North side of Pier 58, East river.

Approach to Pier at East Seventy-sixth street.

Pavement between Dey and West Tenth streets.

Pier foot of West One Hundred and Thirty-first street.

On motion, the lessees, owners and occupants were directed to make the following repairs :

Pier, old 36, East river.

South side of Pier 58, East river.

Pier at East Eighth street.

Pier at East Tenth street.

Pier at East Eleventh street.

Pier at East Twenty-third street.

Pier at East Thirty-first street.

Pier at East Thirty-second street.

Pier at West Thirty-eighth street.

Bulkhead between Ninth and Tenth streets, East river.

Bulkhead at East Thirty-ninth street.

Bulkhead between Thirty-ninth and Fortieth streets, East river.

Bulkhead at Fortieth street, East river.

Bulkhead between East Fortieth and Forty-first streets.

Bulkhead at East Forty-first street.

Bulkhead between Forty-first and Forty-second streets, East river.

Bulkhead at East Forty-third street.

Bulkhead between Forty-third and Forty-fourth streets.

Bulkhead at Forty-fourth street.

On motion, the following resolution was adopted :

Resolved, That Van Tassell & Kearney, auctioneers, on behalf of this Board, be and he are authorized to offer for sale at public auction at Pier "A," Battery place, North river, in City of New York, Friday, April 27, 1894, at 12 o'clock noon, the right to collect and retain wharfage which may accrue for the use and occupation by vessels of more than five tons burden the following-named wharf property for a term of five years from May 1, 1894 :

ON THE NORTH RIVER.

Lot 1. Northerly half of bulkhead between Piers, new 23 and 24.

Lot 2. Bulkhead northerly of Pier, new 25, about thirty-two feet.

Lot 3. Northerly half of bulkhead between Piers, new 45 and 46.

Lot 4. Bulkhead between West One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.

Lot 5. Northerly side and end of Pier at foot of West One Hundred and Thirty-first street.

Lot 6. Bulkhead between West One Hundred and Thirty-second and One Hundred and Thirty-third streets.

Lot 7. Pier at foot of West One Hundred and Thirty-fourth street, except reservation for public bath during summer season.

Lot 8. Bulkhead at foot of southerly half of West One Hundred and Thirty-fifth street.

Lot 9. Pier at foot of West One Hundred and Thirty-eighth street.

ON THE EAST RIVER.

Lot 10. Bulkhead at foot of Cherry street.

Lot 11. Bulkhead at foot of East Fifteenth street.

Lot 12. Bulkhead at foot of East Thirtieth street.

Lot 13. Pier at foot of East Ninety-fifth street.

Lot 14. Bulkhead northerly of Pier foot of East Ninety-sixth street, about one hundred forty feet.

ON THE HARLEM RIVER.

Lot 15. Bulkhead southerly of East One Hundred and Third street, about eighty-five feet.

Lot 16. Bulkhead between East One Hundred and Third and East One Hundred and Fourth streets.

Lot 17. Bulkhead platform foot of East One Hundred and Sixth street.

Lot 18. Bulkhead at foot of East One Hundred and Seventh street.

Lot 19. Bulkhead at foot of East One Hundred and Eleventh street.

Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending 1894, amounting to \$5,372.11, which was received and ordered to be spread in full on tes, as follows :

FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
				1894.
James Shewan. ....	1 mos. rent, berth dry dock S. Stanton st., E. R. ....	\$208 33		
G. D. Curtis. ....	12 mos. rent, l. u. w., coal hoist, N. side 50th st., E. R. ....	62 50		
Central Railroad of N. J. ....	1 mos. rent, S. ½ Pier 14, and bhd. bet. Piers 13 and 14, N. R. ....	1,437 50		
American Committee, Statue of Liberty. ....	1 qrs. rent, float at Battery. ....	25 00		
Metropolitan S. S. Co. ....	" l. u. w., for extension to Pier, old 11, N. R. ....	200 00		
Schmidt & Koehne. ....	1 yrs. rent, bhd. bet. 56th & 57th sts., E. R. ....	100 00		
L. Edward Muller. ....	1 mos. rent, bhd. S. Pier, new 39, N. R. ....	125 00		
Flint & Co. ....	Testing cement. ....	10 00		
Kane & Wright. ....	1 qrs. rent, bhd. pfm. at 105th st., E. R. ....	100 00		
James J. Herbert. ....	" bhd. bet. 103d and 104th sts., E. R. ....	125 00		
Hoboken Ferry Company. ....	39 days' rent, l. u. w., pfm. and ferry-rack bet. 13th and 14th sts., N. R. ....	443 26		
George A. Woods. ....	Wharfage, District No. 2, N. R. ....	218 90		
Edward Abbel. ....	" 4, " ....	595 13		
B. F. Kenney. ....	" 6, " ....	120 40		
W. B. Osborne. ....	" 8, " ....	88 22		
James J. Fleming. ....	" 10, " ....	667 34		
Thomas P. Walsh. ....	" 12, " ....	41 04		
H. A. Palmstine. ....	" 1, E. R. ....	137 29		
Charles S. Coye. ....	" 3, " ....	301 24		
James A. Monaghan. ....	" 5, " ....	170 89		
Joseph F. Meehan. ....	" 7, " ....	89 88		
James W. Carson. ....	" 9, " ....	64 58		
John J. Martin. ....	" 11, " ....	184 91		
Maurice Stack. ....	" 13, " ....	55 70		
			\$5,372 11	
		\$5,372 11	\$5,372 11	Apr. 12

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of sixteen bills or claims, amounting to \$18,787.63 which were approved and audited and ordered to be spread in full on the minutes as follows :

Construction Account.		
Audit No.	Name.	Amount.
14090.	John Pierce, Estimate No. 1 and final, Contract No. 455...	\$10,528 49
14091.	Atlas Cement Company, Estimate No. 1, Contract No. 464. ....	2,047 50
14092.	Martin B. Brown, printing.....	529 65
14093.	William Taylor, piles, etc.....	841 80
14094.	Gas Engine and Power Company, cushions ...	12 00
14095.	R. Hoe & Co., repairs to saws .....	26 00
14096.	F. W. Devoe & C. T. Reynolds Company, pencils, etc.....	81 10
14097.	Columbia Refining Company, oil.....	46 31
14098.	John Early & Co., cotton waste, etc.....	58 00
14099.	The Farrel Foundry and Machine Company, crane, etc.....	1,340 00
14100.	The East River Mill and Lumber Company, lumber.....	98 00
14101.	Heipershausen Brothers, towing.....	265 00
14102.	The Metropolitan Telephone and Telegraph Company, telephone service.....	434 40
14103.	Alexander Pollock, augers, etc.....	234 00
14104.	A. Schrader & Son, repairing pump.....	25 00
		<hr/> \$16

Annual Expense Account.		
14105.	Martin B. Brown, printing.....	2
Total .....		<hr/> \$18

Respectfully submitted,  
JAS. J. PHELAN, } Auditor  
ANDREW J. WHITE, } Committee

The action of the President in transmitting the same, with requisitions for the amount Finance Department for payment, approved.

The following requisitions were passed :

Register No.	For What.	Estimated
14065.	Broken stone.....	per cubic yard
14066.	Yellow pine plank.....	2
14067.	Services of horse, cart and driver.....	
14068.	Galvanized watering-pots.....	
14069.	Paint.....	
14070.	Services of horses, carts and drivers .....	per day
14071.	Rip-rap stone.....	per cubic yard
14072.	Wrought spike.....	
14073.	Anti-friction metal and solder.....	

The Treasurer reported that he had received estimates for furnishing the Department with galvanized-wrought iron sewer bands, as follows :

*About 22,204 Pounds of Galvanized Wrought Iron Sewer Bands.*

T. N. Motley & Co. ....	\$829 00
W. B. Newhall Company .....	941 44
Alexander Pollock .....	1,082 44
Greenlie, Wyatt & Co. ....	1,087 99
John Loyd .....	1,110 20
E. A. Rogers .....	1,360 00

The action of the Treasurer in awarding the order to T. N. Motley & Co., they being the lowest bidders, approved.

The Secretary reported the pay-rolls for the General Repairs and Construction force for the week ending April 6, 1894, amounting to \$13,249.66, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

CHARLES J. FARLEY, Acting Secretary.

The Board then met in executive session.

On motion, Thomas Crow, Laborer, was directed to be reassigned to duty, and John Banghart, Dock Builder, was suspended for thirty days.

The compensation of Thomas Ahearn, Laborer, was fixed at the rate of \$75 per month, to take effect April 14, 1894.

The Secretary was directed to cause the name of Patrick Devin, Laborer, deceased, to be taken from the list of employees.

The following person was discharged :

*Stone Cutter.*

John Fitzgerald.

The following persons were appointed :

*Stone Cutter.*

Andrew Foster.



**APRIL 13, 1894.]**

**496**

*Laborers.*

**Arthur L. Eager.**

**James P. Liddy.**

**Charles Nally.**

**Lawrence Quinlan.**

**Thomas Sullivan.**

**On motion, the Board adjourned.**

**CHARLES J. FARLEY, Acting Secretary.**

THURSDAY, April 19, 1894.

A quorum not being present, the meeting of the Board of Docks was postponed.

AUGUSTUS T. DOCHARTY, Secretary.

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At an adjourned meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Friday, April 20, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

Absent—Commissioner White.

The minutes of the meeting held on the 13th instant were read and approved.

The following permits were granted, to continue only during the pleasure of the Board :

Diamond Despatch Canal and Lake Line—Derrick, tally-house and tool-box, Pier, new 6, East river.

Union Steamboat Company—Two derricks, two dock-boxes, tally-house and scales, Pier, new 6, East river.

Western Transit Company—Two dock-boxes, two derricks, tally-house and scales, Pier, new 6, East river.

Syracuse and New York Canal Line—Tally-house and tool-box, Pier, new 6, East river.

John A. Bouker—To load cellar dirt at bulkhead foot of West Eighty-first street ; compensation to be paid therefor at the rate of \$2 per day, Sundays included, payable at the end of each week to the Dock Master.

The following permits were granted, to continue only during the pleasure of the Board, provided the consent of the lessee is obtained :

Murray's Line—Tally-house, tool-box, scales, derricks and frames for canvas covers, Pier, old 6, East river.

Erie and Western Transportation Company—Two derricks and one tally-house, Pier, old 6, East river.

American Transit Company—Derrick, tally-house and tool-chest, Pier, old 6, East river.

The following permits were granted ; the work to be done under the supervision of the Engineer-in-Chief :

Farmers' Feed Company—To repair the sewer at bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river.

**M. Goodwin**—To dredge at bulkhead between Twenty-eighth and Twenty-ninth streets, East river.

**Lehigh Valley Railroad Company**—To repair Pier 2, North river.

**H. D. Mould**—To repair Pier 53, East river.

**Brown Brothers**—To repair Pier foot of East Twenty-first street.

The following permits were granted, to continue only during the pleasure of the Board ; the work to be done under the supervision of the Engineer-in-Chief :

**John F. Welch**—To place ice-bridge on northerly side of Pier 62, East river.

**Western Union Telegraph Company**—To place a frame cable-house not exceeding 4 feet 6 inches by 7 feet by 8 feet in height on Pier foot of West Fifty-fifth street.

**Charles W. Morse**—To transfer ice-bridge, engine-house and scales from bulkhead between Horatio and Gansevoort streets, to bulkhead between Bethune and Bank streets.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the Finance Department—Approving sureties on Contract No. 470.

From the Fire Department - Respecting a berth for the fire-boat "New Yorker."

On motion, the Engineer-in-Chief was directed to remove the wharf at Castle Garden further north, provided the consent of the Secretary of War is obtained.

From Turner, McClure & Rolston, attorneys—Stating that the property purchased from the Farmers' Loan and Trust Company, trustees of the estate of George S. Miller, deceased, March 8, 1894, is subject to a lease which expires May 1, 1897.

From the Palisade Trap Rock Company—Offering to supply trap-rock for concrete. Offer accepted.

From the Dock Protective Association, Nineteenth Ward—Requesting to be informed when the Department proposes building the new piers between Sixtieth and Sixty-fourth streets, East river. Notify them that the work will be commenced forthwith.

From the North and East River Steamboat Company—Reporting that six oak fender-piles are required at south side of Pier, new 32, East river. The Engineer-in-Chief directed to do the work if necessary.

From the Pennsylvania Railroad Company—Respecting the rental fixed March 22, 1894, for the bulkhead extending from the north side of Pier, new 28, North river, northerly to a point 20 feet north of the north side of Pier, new 29. Notify said company to appear before the Board, April 26, 1894, at 11 o'clock A. M., in relation thereto.

From the Hoboken Ferry Company—Requesting permission to make repairs to their ferry-docks foot of Barclay and Fourteenth streets, North river. Application denied. Notify said company that unless they proceed with the construction of the bulkhead-wall at the foot of Barclay street within a reasonable time, the permit granted January 25, 1894, will be revoked.

From the International Contracting Company—Requesting permission to lay a sample brick pavement. Permit granted to pave an area 50 by 30 feet on the approach to Pier, new 24, North river. Said pavement to be laid without any expense to this Department; the work to be completed within 30 days and to be done under the supervision of the Engineer-in-Chief.

From the Treasurer :

1st. Recommending that the compensation to be charged William A. Hall, for the privilege of mooring a bath at the Battery during the ensuing season be fixed at the rate of \$250 per month, payable at the end of each month to the Treasurer. Recommendation adopted.

2d. Recommending that a permit be granted William H. Jones, for a bath-house at One Hundred and Fifty-first street, North river; compensation therefor to be paid at the rate of \$10 per month, payable at the end of each month to the Dock Master.

3d. Recommending that the compensation to be charged Wright & Cobb, for the premises occupied by them foot of Broome street, East river, be fixed at the rate of \$1,500 per annum, payable at the end of each month to the Treasurer, commencing May 1, 1894. Recommendation adopted.

4th. Recommending that the compensation to be charged the Al Foster Steamboat Company, for a berth at the Pier foot of West Forty-fourth street, and for the privilege of landing at the Battery wharf in accordance with the permit dated March 15, 1894, be fixed at the rate of \$5 per day for each place, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

5th. Recommending that an extension of thirty days be granted Russell & Deery in which to vacate the premises at Twelfth avenue and Fifty-first street. Recommendation adopted.

6th. Recommending that the compensation to be charged the Long Branch Steamboat Company, for the privilege of landing at the Battery wharf during the season of 1894, in accordance with the permit granted March 22, be fixed at the rate of \$5 per day, for each boat, Sundays included, payable at the end of each week to the Dock Master. Recommendation adopted.

From the Engineer-in-Chief :

1st. Report for the week ending April 14, 1894.

2d. Reporting completion of the Pier foot of West Fifty-fourth street, and the extension to Pier, new 43, North river. The Dock Master directed to collect wharfage.

3d. Recommending the approval of the plans for the proposed shed on Pier, new 15, North river, in accordance with the permit granted the lessee March 9, 1893. Plans approved.

4th. Reporting damage to the propeller wheel of the tug "Pier." Notify Captain Charles Wilson of said tug to appear before the Board Thursday, April 26, 1894, and show cause why he should not be discharged.

5th. Reporting repairs required to Pier, new 55, North river. The lessee directed to repair the superstructure, and the Engineer-in-Chief the substructure of said pier.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

- No. 13635. Repairs to bulkhead platform east side of Pier 40, East river.
- No. 13644. Driving and fashing piles upper sides of Piers 25 and 26, East river.
- No. 13652. Repairs to sheathing on sides of Piers 45 and new 36, East river.
- No. 13682. Repairs to Pier, new 28, North river.
- No. 13683. Repairs to Pier, new 27, North river.
- No. 13747. Driving piles in south clump of ferry-rack at Thirteenth street, North river.
- No. 13749. Dredging at Pier, new 54, North river.

The Engineer-in-Chief reported that the following work had been done by the force of the Department under Secretary's Orders :

- No. 13681. Paving and planking bulkhead at Eleventh street and Thirteenth avenue.
- No. 13708. Repairing sheathing deck of Pier foot of Seventy-ninth street, North river.
- No. 13711. That a new propeller wheel was fitted and keyed to the tug "Pier" by Messrs. Brown & Miller.
- No. 13716. Repaired chocks between fenders and backing-log southerly side of Pier "A," North river.
- No. 13752. Repaired approach to Pier at Seventy-sixth street, East river.
- No. 13756. Repaired Battery wharf.

The Engineer-in-Chief submitted partial report on Secretary's Order No. 13399, that he repaired window in Dock Master's office near West Seventy-fifth street, and deposited stone behind bulkhead south of One Hundred and Thirtieth street, North river, and returned Secretary's Orders Nos. 13573 and 13663.

On motion, the Engineer-in-Chief was directed to make the following repairs :

- Pier at West Forty-fourth street.
- Pier at West Fifty second street.
- Pier at West Fifty-fifth street.
- Pier at West Fifty-sixth street
- Bulkhead at One Hundred and Twenty-ninth street, Harlem river.

On motion, the owners, lessees and occupants were directed to make the following repairs :

Bulkhead platform between Piers, old 1 and new 1, North river.

Pier at West One Hundred and Twenty-ninth street.

Pier at East Thirteenth street.

Pier at East One Hundred and Nineteenth street.

Pier north of East One Hundred and Twenty-sixth street.

Piers between East One Hundred and Twenty-sixth and One Hundred and Twenty-seventh streets.

Pier south of East One Hundred and Twenty-seventh street.

Bulkhead between East Forty-eighth and Forty-ninth streets (south half).

Bulkhead platform between East Seventy-ninth and Eightieth streets.

Platform north of ferry at East Ninety-second street.

Bulkhead between East Ninety-seventh and Ninety-eighth streets.

Bulkhead between East One Hundred and Sixth and One Hundred and Seventh streets (south half).

North half of the bulkhead between East One Hundred and Tenth and One Hundred and Eleventh streets.

Bulkhead between East One Hundred and Eleventh and One Hundred and Twelfth streets.

Bulkhead between East One Hundred and Twelfth and One Hundred and Thirteenth streets.

Bulkhead between East One Hundred and Thirteenth and One Hundred and Fourteenth streets.

Bulkhead at One Hundred and Sixteenth street, Harlem river (south side).

Bulkhead between One Hundred and Nineteenth and One Hundred and Twentieth streets, Harlem river.

Bulkhead between One Hundred and Twenty-seventh and One Hundred and Twenty-eighth streets, Harlem river.

On motion, the compensation to be charged Matthew Stripp for the use of the bulkhead between Piers, new 21 and 22, North river, in accordance with the permit granted February 21, 1894, was fixed at the rate of \$75 per month, payable at the end of each month to the Dock Master.

On motion, permission was granted the Bridgeport Steamboat Company to use the wharf structures at Pier 35, East river, during the pleasure of the Board ; compensation for said privilege to be fixed at the rate of \$150 per month, payable at the end of each month to the Treasurer.

On motion, the Treasurer was authorized to arrange for filling in, with stone and rip-rap, between Thirty-third and Thirty-fourth streets, North river.

On motion, the Engineer-in-Chief was directed to remove the backing-log from the platform in front of Barclay Street Ferry.

On motion, the permit granted James E. Ward & Co. April 23, 1891, was changed to the New York and Cuba Mail Steamship Company.

APRIL 23, 1894.]

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The Treasurer, Commissioner Phelan, submitted his report of receipts for the week end April 18, 1894, amounting to \$42,868.66, which was received and ordered to be spread in full the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DA DEB IT
1894.					
Apr. 12	N. Y., L. E. & W. R. R. Co...	1 qrs. rent, Pier foot of 49th st., N. R.	\$2,500 00		
" 12	West Shore R. R. Co.....	" Pier, new 23, N. R., and ½ bhd., each side.....	10,500 50		
" 12	Yellow Pine Company.....	" Timber basin south of 126th st., H. R.....	37 50		
" 12	Thomas Smith.....	Filling-in bet. 25th and 26th sts., N.R., Q 2001 to 2500 .....	50 00		
" 16	Oceanic Steam Nav. Co.....	1 qrs. rent, Piers, new 44 and 45, and bhd. bet. and ½ bhd. north of Pier, new 45, N. R.....	16,225 94		
" 16	" .....	" Pier, new 38, and bhd. each side, N. R.....	11,062 50		
" 16	N. Y., L. E. & W. R. R. Co ...	85 days' rent, ferry-rack, Pier, new 19, N. R .....	931 50		
" 17	Providence and Stonington S. S. Co.....	Repairing pavement, Pier, new 36, N. R .....	35 70		
" 17	George A. Woods.....	Wharfage District No. 2, N. R.....	105 62		
" 17	Edward Abeel.....	" 4, " .....	295 66		
" 17	B. F. Kenney .....	" 6, " .....	96 12		
" 17	W. B. Osborne.....	" 8, " .....	198 47		
" 17	James J. Fleming.....	" 10, " .....	65 30		
" 17	Thomas P. Walsh.....	" 12, " .....	26 50		
" 17	H. A. Palmstine. ....	" 1, F. R.....	95 32		
" 17	Charles S. Coye .....	" 3, " .....	245 82		
" 17	James A. Monaghan .....	" 5, " .....	130 15		
" 17	Joseph F. Meehan.....	" 7, " .....	54 83		
" 17	James W. Carson.....	" 9, " .....	101 43		
" 17	John J. Martin.....	" 11, " .....	73 28		
" 17	Maurice Stack.....	" 13, " .....	37 02		
				\$42,868 65	At
			\$42,868 65	\$42,868 66	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

The Auditing Committee presented an audit of fifteen bills or claims amounting to \$13,833.17, which were approved and audited and ordered to be spread in full on the minutes, as follows :

		<i>Construction Account.</i>		
<i>Audit No.</i>	<i>Name.</i>		<i>Amount.</i>	<i>Total.</i>
14106.	Martin B. Brown, printing.....		\$884 96	
14107.	H. P. Sheridan, cobble.....		819 28	
14108.	H. M. Loud, piles.....		6,273 28	
14109.	Brown & Fleming, broken stone ...		1,353 60	
14110.	Dr. Gideon E. Moore, testing rope.....		40 00	
14111.	Keuffel & Esser Company, paper.....		26 00	
14112.	McNab & Harlin Manufacturing Company, pipe, etc..		248 84	
14113.	Brown & Miller, repairs to tug.....		84 00	
14114.	Heipershausen Bros., repairs to derrick.....		156 20	
14115.	Carroll Box and Lumber Company, pine.....		106 70	
14116.	G. L. Stuebner & Co., blocks.....		50 00	
14117.	Alexander Pollock, galvanized tar pails.....		111 24	
14118.	Bouker Contracting Company, rip-rap.....		1,145 70	
			<hr/>	\$11,299 80

*General Repairs Account.*

14119.	Edward McKeever, services horse, cart, etc.....	\$217 00	
14120.	Morris & Cumings Dredging Company, dredging..	2,316 37	
		<hr/>	2,533 37
			<hr/>
			\$13,833 17
			<hr/>

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President, in transmitting the same with requisitions for the amount to the Finance Department for payment, approved.

The following requisitions were passed :

<i>Register No.</i>	<i>For What.</i>	<i>Estimated Cost.</i>
14074.	Services of tugs..... per hour	\$5 00
14075.	Japan dryers, etc.....	56 50
14076.	Ice.....	10 24
14077.	Rip-rap.....	1,125 00
14078.	Piles.....	4,240 00
14079.	Cut nails.....	10 20
14080.	White oak fenders.....	15 75
14081.	Blue print paper.....	26 00
14082.	Repairs to propeller wheel.....	123 00
14083.	Service of dry dock.....	40 00



Register No.	For What.	Estimated
14084.	Dredging.....	\$9
14085.	Dead oil .....	2
14086.	Piles.....	6
14087.	Fire buckets, etc.....	5
14088.	Bolts, spikes, etc.....	4
14089.	Oak stanchions.....	
14090	Kerosene oil. ....	2
		<hr/>

The Treasurer reported that he had received estimates for furnishing the Department with  
or cypress piles, as follows :

*About 430 Sound and Straight Pine or Cypress Piles, 80 Feet to 85 Feet Long, 16 Inches  
14 Inches Diamater.*

Alfred J. Murray . . . . .	\$5,00
William Taylor . . . . .	5,1
W. H. Beard . . . . .	5,10
J. L. Mumford & Son . . . . .	5,4
H. M. Loud. . . . .	5,4
E. Mors & Co. . . . .	6,0
C. N. Kimpland. . . . .	6,0
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The action of the Treasurer in awarding the order to Alfred J. Murray, he being the l  
bidder, approved.

The Secretary reported the pay-rolls for General Repairs and Construction force for the  
ending April 20, 1894, amounting to \$18,505.22, had been approved and audited and trans  
to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

The Board then met in executive session.

The following communications were received, read and,

On motion, ordered to be placed on file :

From the New York City Civil Service Boards—Reporting certain amendments to its  
and regulations.

From the Engineer-in-Chief :

1st. Reporting the suspension of Laborers, Acting Watchmen, James J. Mangin, William Whalen and Owen J. Foley, and recommended that they be discharged.

On motion, said Mangin, Whalen and Foley were suspended for thirty days.

2d. Reporting that James Cullen, No. 1, has been laid off and is unassigned to duty for having been absent from all duty three successive days without being excused.

On motion, said Cullen was discharged.

The resignation of Richard Jones, Laborer, was accepted.

The following persons were appointed :

*Laborers.*

John T. Sullivan.

Martin McLean.

Timothy Horgan.

*Dock Builder.*

Henry Eldot.

*Diver.*

William J. Hoar.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Friday, April 20, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

" " White.

On motion, the following resolution was unanimously adopted :

Resolved, That the Engineer-in-Chief be and hereby is directed to proceed with the extension of the Pier at the foot of West Nineteenth street, North river, to the pier-head line of 1890, and all the work hereby ordered be performed otherwise than by contract, as provided by section 1 of the New York City Consolidation Act of 1882, and that it be done by the force of the Department by day's work, except so much of the labor and material as is now or may hereafter be contracted for, and that all the materials, tools and dredging necessary therefor, and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, at "A," Battery place, Thursday, April 26, 1894, at 11 o'clock A. M.

Present—President Cram.

" Commissioner Phelan.

Absent—" White.

The minutes of the meetings held on the 20th instant were read and approved.

William H. Brown, chief engineer of the Pennsylvania Railroad Company, appeared in response to the order of the 20th instant, respecting the rental to be charged said company for the bulkheads adjoining Piers, new 28 and 29, North river.

On motion, the resolutions adopted March 22, 1894, were amended so as to read as follows :

Resolved, That in accordance with the provisions of the resolutions adopted February 27, 1894, the rental to be charged the Pennsylvania Railroad Company for a lease of the bulkhead extending from the north side of Pier, new 28, North river, northerly a distance of seventy-one feet, more or less, to a point half-way between Piers, new 28 and new 29, North river, for a period of ten years, from September 1, 1894, be fixed at the rate of five thousand dollars per annum, payable quarterly in advance to the Treasurer of this Department.

Resolved, That, in accordance with the provisions of the resolutions adopted February 27, 1894, the rental to be charged the Pennsylvania Railroad Company for a lease of the bulkhead extending from a point half-way between Piers, new 28 and new 29, North river, northerly to a point twenty feet north of the north side of Pier, new 29, North river, for a period of seven years, from March 1, 1894, be fixed at the rate of seven thousand dollars per annum, payable quarterly in advance to the Treasurer of this Department, and the annual rental for the renewal term of said lease to be fixed at an advanced rental of ten per cent. per annum, payable quarterly in advance as hereinbefore provided.

The Pennsylvania Railroad Company also submitted an application for permission to erect a platform between Piers 3 and 4, North river, extending from the existing bulkhead to the established bulkhead line.

On motion, the following resolution was adopted :

Resolved, That permission be and hereby is granted the Pennsylvania Railroad Company to use and occupy during the pleasure of the Board the land under water between the northerly line of Pier 3 and the southerly side of the platform extending south from Pier 4, North river, between the existing bulkhead on West street and the established bulkhead line, together with the right to build a platform thereon; compensation to be paid therefor at the rate of twenty-five cents per square foot per annum for the land under water covered by said platform, provided that the said Pennsylvania Railroad Company shall, within ten days from receipt hereof, file in this office its written acceptance of the terms and conditions of this resolution.

The following communications were tabled for one week :

From the Department of Street Cleaning—Consenting to the use of a portion of their dump foot of Canal street, North river, by Brown & Fleming, for the removal of cellar dirt.

From James Tilley—Requesting permission to place an ice bridge, platform, scales, etc., at the bulkhead between Twenty-fourth and Twenty-fifth streets, North river.

From Dock Master Abeel—Reporting repairs required to the bulkhead south of Pier, old 54, North river.

From the Engineer-in-Chief—Recommending that the lessee be directed to repair Pier, new 14, North river—"Washington Pier."

Report on Secretary's Order No. 13786--As to the dredging required in the half slips adjoining Pier, new 57, North river.

The communication from Nelson J. Waterbury, Jr., attorney, offering to sell to the City for a sum equivalent to a capitalization on a 5 per cent. per annum basis, Piers, old 6, 7, 8, 9, 10 and 11, North river, together with the intervening bulkhead, was referred to the Treasurer.

The application of P. J. P. Tynan, requesting permission to exhibit an electric chemical fire extinguisher on the new-made land foot of Morton street, was referred to the Engineer-in-Chief to examine and report.

The following permits were granted, to continue only during the pleasure of the Board :

Dearborn & Co.—For tally-house and tool-box on Pier 13, East river.

William J. Sparks—For tally-house on Pier 9, East river.

American Amusement and Excursion Company—To land at the Battery wharf ; compensation to be fixed by the Treasurer.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief :

Central Railroad Company of New Jersey, lessee—To pierce the bulkhead foot of West Fifteenth street for the purpose of putting in gas and water supply pipes ; also to drive white oak fender-piles at the outer corners of the Pier foot of West Fifteenth street.

Terminal Warehouse Company—To do the necessary excavating to protect water-pipe at Pier, new 57, North river.

Catskill and New York Steamboat Company, lessee --To drive fender-piles and cut gangway at the Pier foot of West Eleventh street.

Ehrenreich Brothers—To drive fender-piles and place side-caps at the bulkhead foot of East Sixty-third street.

The following communications were received, read, and

On motion, ordered to be placed on file :

From the Counsel to the Corporation—Requesting a survey of the Piers foot of Eighth, Ninth and Tenth streets, East river, involved in the proposed settlement of the Roach cases. The Engineer-in-Chief directed to furnish the same.

From the Department of Street Cleaning—Requesting dredging at their dump foot of West Twelfth street.

From the Palisade Trap Rock Company—Offering to furnish 30,000 cubic yards of rip-rap at 49 cents per cubic yard. Offer declined.

From William D. Wheelwright & Co.—Requesting a remission of wharfage on vessels delivering timber to the Department under Contract No. 470. Application granted.

From the Compagnie Générale Transatlantique—Complaining of the condition of the pavement in front of and north of Pier, new 42, North river. The Engineer-in-Chief directed to repair.

From business men, etc., in the vicinity of East Third street—Requesting the driving of spring-piles at the pier foot of said street to enable excursion boats to land thereat. The Engineer-in-Chief directed to do the work.

From Simon Sterne, attorney for Hudson Tunnel Railway Company—Requesting an extension of thirty days from May 1, in which to vacate the premises south of Morton street, North river. Application denied.

From Arthur McMullen & Co.—Requesting permission to use and occupy a strip of land about fifty feet north of and along the northerly side of the Pier foot of East One Hundred and Fortieth street, Harlem river, and also permission to dredge and drive the necessary piles thereat to facilitate the building of the caissons of the Third Avenue Bridge. Permit granted, provided the consent of the owners is obtained ; the work of dredging and driving piles to be done under the supervision of the Engineer-in-Chief.

From Hencken & Co. :

1st. Requesting permission to occupy about two hundred and fifty feet on the northerly side of the bulkhead foot of East Fourth street.

2d. Requesting permission to use sixty feet of the bulkhead at Fourth street. Permit granted, in accordance with the resolution of July 9, 1891.

From Dock Master Palmstine—Reporting repairs required to Pier, new 6, East river. The Engineer-in-Chief directed to repair.

From Dock Master Kenney—Suggesting the cutting of gangways on the north side of the Pier foot of Bogart street, and the driving of piles thereat. The Engineer-in-Chief directed to do the work if necessary.

From the Engineer-in-Chief :

1st. Report for the week ending April 21, 1894.

2d. Reporting repairs required to Chambers street office. The Engineer-in-Chief directed do the work.

3d. Reporting repairs required to the Pier at East Ninth street, and recommending the build of a new pier in place of the present one.

On motion, the Engineer-in-Chief was directed to prepare a plan for the improvement of water-front from Eighth to Seventeenth street, East river.

4th. Report on Secretary's Order No. 13646, that it is not the intention of C. W. Davis to erect a shed on Pier, new 32, East river.

On motion, said permit was revoked.

The Engineer-in-Chief reported that the following work had been done by the force of Department under Secretary's Orders :

No. 13173. Repaired westerly half of Pier 12, East river.

No. 13558. Repaired pavement between Duane street and Pier, new 21, North river.

No. 13717. Repaired sheathing on surface of Pier 44, East river.

The Engineer-in-Chief reported that the following work had been superintended under Secretary's Orders :

No. 13141. Repairs to the dump at Pier 12, East river.

No. 13633. Repairs to Piers, old 40 and 41, North river, damaged by ferry-boats.

No. 13656. Repairs to Pier, new 62, North river.

No. 13657. Repairs to Pier, new 63, North river.

No. 13684. Repairs to Pier foot of Seventeenth street, North river.

No. 13692. Changing location of lights on south side of Pier foot of East Twenty-fourth street by the Tenth and Twenty-third street Ferry Company.

No. 13697. Repairs to Pier, new 22, North river, damaged by ferry boat "Newburgh."

No. 13698. Repairs to sheathing both sides of Pier 4, North river.

No. 13705. Refastening fender-piles outer end Pier 34, East river.

No. 13719. Refastening bearing piles westerly side Pier 47, East river.

No. 13725. Repairs to sheathing westerly side and outer end of Pier 27, East river.

No. 13734. Repairs to Pier 11, East river.

No. 13735. Repairs to bulkhead between Piers 10 and 11, East river.

No. 13737. Repairs to Pier 9, East river.

No. 13738. Repairs to Pier 4, East river.

No. 13750. Dredging along bulkhead between Twenty-second and Twenty-third streets, East river.

No. 13781. Repairs to outer end of Pier, new 20, North river.

No. 13782. Repairs to outer end of Pier, new 24, North river.

No. 13794. Repairs to the sewer at bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, North river.

No. 13795. The erection of a temporary platform for discharging ice, on northerly side of Pier 62, East river.

The Engineer-in-Chief submitted a partial report on Secretary's Order No. 13399, that the repairs to the Pier foot of East One Hundred and Tenth street, Harlem river, were finished April 20, 1894 ; and returned Secretary's Orders Nos. 12940, 13210, 13616, 13712 and 13743.

The Treasurer, Commissioner Phelan, submitted his report of receipts for the week ending April 25, 1894, amounting to \$7,087.81, which was received and ordered to be spread in full on the minutes, as follows :

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1894.					1894.
Apr. 20	N. Y., N. H. & H. R. R. Co. . .	1 qrs. rent, Pier, new 36, E R.....	\$3.750 00		
" 20	" .....	" l. u. w., pfm. bet. Piers 51 and 52, E. R.....	548 63		
" 20	" .....	" l. u. w., pfm. bet. Piers 49 and 50, E. R.....	250 00		
" 21	T. E. Crimmins.....	Filling-in bet. 23d and 24th sts., N. R., Q 2501 to 5000.....	500 00		
" 24	George A. Woods .....	Wharfage, District No. 2, N. R.....	286 15		
" 24	Edward Abeel .....	" 4, " .....	366 33		
" 24	B. F. Kenny .....	" 6, " .....	169 51		
" 24	W. B. Osborne.....	" 8, " .....	200 15		
" 24	James J. Fleming .....	" 10, " .....	145 55		
" 24	Thomas P. Walsh .....	" 12, " .....	38 98		
" 24	H. A. Palmstine.....	" 1, E. R.....	177 50		
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" 24	James A. Monaghan.....	" 5, " .....	132 80		
" 24	Joseph F. Meehan.....	" 7, " .....	101 70		
" 24	James W. Carson.....	" 9, " .....	80 38		
" 24	John J. Martin.....	" 11, " .....	85 76		
" 24	Maurice Stack.....	" 13, " .....	41 00		
				\$7,087 81	Apr. 25
			\$7,087 81	\$7,087 81	

Respectfully submitted,  
JAMES J. PHELAN, Treasurer.



The Auditing Committee presented an audit of twelve bills or claims, amounting to \$19,702.34, which were approved and audited and ordered to be spread in full on the minutes as follows :

*Construction Account.*

Audit No.	Name.	Amount.
14121.	Alfred J. Murray, piles.....	\$8,366 00
14122.	Brown & Fleming, cobble and rip-rap.....	4,894 25
14123.	Charles N. Kimpland, piles.....	2,583 00
14124.	Alexander Pollock, iron, lead, etc.....	1,111 17
14125.	H. P. Sheridan, rip-rap.....	1,042 00
14126.	James McLaughlin, sand.....	679 32
14127.	Heipershausen Bros., towing.....	323 75
14128.	J. Henry Haggerty, oil.....	273 48
14129.	The Broderick Supply Company, watering pots.....	27 00
14130.	The "Sun," advertising.....	24 00
		<hr/> \$19,300 00

*General Repairs Account.*

14131.	Thomas Kelly, services horse, cart, etc.....	24 00
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*Annual Expense Account.*

14132.	Consolidated Gas Company, gas.....	10 34
		<hr/> \$19,702 34

Respectfully submitted,

J. SERGEANT CRAM, }  
JAMES J. PHELAN, } Auditing Committee.

The action of the President in transmitting the same, with requisitions for the amount, to the Finance Department for payment, approved.

On motion, the time for closing the contracts for the purchase of wharf property in vicinity of Old Slip, with the executors of the estate of Moses Taylor, deceased, and others, extended until July 26, 1894.

On motion, the time in which to fill-in behind the bulkhead-wall at East One Hundred street, the privilege for which was sold to William F. Cunningham, March 22, 1894, was extended for two weeks.

On motion, the time for the removal of the dump belonging to John Chester, on the south side of the Pier foot of West Forty-seventh street, was extended for one month.

On motion, the application of Simpson, Spence & Young, agents for Leith Line of steamships, for permission to execute a renewal of the lease of Pier, new 56, North river, without a bond granted.

On motion, the Engineer-in-Chief was directed to examine and report as to the repairs required to Pier, new 15, North river.

On motion, the Dock Master was directed to examine and report as to the complaint of G. E. Van Pelt about oyster boats.

The Secretary reported that he had been served with a writ of certiorari in the matter of the reinstatement of Patrick H. McCullough, formerly Roundsman in this Department.

On motion, ordered to be transmitted to the Counsel to the Corporation.

The Secretary submitted a report of the tonnage of vessels berthed on the North, East and Harlem rivers for the month ending March 31, 1894. Ordered to be spread in full on the minutes as follows :

NORTH RIVER.			
Foreign .....	302,652		
Domestic .....	864,499		
			1,167,151
EAST RIVER.			
Foreign .....	26,942		
Domestic .....	520,583		
			547,525
HARLEM RIVER.			
Foreign .....	912		
Domestic .....	6,183		
			7,095
Total .....			1,721,771

The Secretary reported that the pay-rolls for the General Repairs and Construction force for the week ending April 21, 1894, amounting to \$13,505.22, had been approved and audited and transmitted to the Finance Department for payment.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then met in executive session.

Captain Charles Wilson was present, in response to the order of the 19th instant directing him to show cause why he should not be discharged for permitting damage to tug "Pier."

On motion, the matter was laid over for one week and the said Charles Wilson directed to appear Thursday, May 3, 1894, for trial on said charge.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.



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CITY OF NEW YORK.

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DEPARTMENT OF DOCKS.

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REPORT

OF THE

ENGINEER-IN-CHIEF

FOR THE YEAR ENDING APRIL 30, 1894.

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NEW YORK:

MARTIN B. BROWN, PRINTER AND STATIONER,  
Nos. 49 to 57 PARK PLACE.

1894.



DEPARTMENT OF DOCKS, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER,  
OFFICE OF THE ENGINEER-IN-CHIEF,  
NEW YORK, May 1, 1894.

*To the Board of Docks:*

GENTLEMEN—I have the honor to submit the following report of the work under my charge and supervision during the year ending April 30, 1894.

#### WORK OF CONSTRUCTION UNDER NEW PLAN.

##### NORTH RIVER.

*Battery Section*—Embracing the boat landing, Pier "A," Pier, new 1, North river, and about 80 feet of bulkhead north of Pier, new 1.

Some repairs and work of maintenance have been done on this section during the year.

*Dey Street Section*—Extending from the southerly end of West Washington Market Section at the middle of Dey street about 240 feet southerly.

On this section dredging has been done, some of the rip-rap and cobble stone put in, and pile driving has been begun.

Pier, new 13—This pier, about midway between Cortlandt and Dey streets, has been begun by Mr. J. H. Starin.

*West Washington Market Section*—Extending from about the middle of Pier, old 24, North river, between Vesey and Barclay streets, to about the middle of the foot of Dey street, North river, a distance of about 575 feet.

The wall on this section has been completed from 207 feet southerly of Pier, new 14, to the northerly side of Pier, new 15, a distance of about 575 feet.

The "Washington Pier"—Pier, new 14—(By resolution of the Board of March 31, 1892, this Pier is named "Washington Pier") having been leased to the "American Line," has been widened 50 feet, making it 125 feet in width and 720 feet long. A large shed, covering nearly the entire pier and two stories high, has been built upon it by the lessee.

At this portion of the water-front the rock bottom approaches within 27 feet of the surface of the water at mean low tide. As the American Line ships draw 28 feet of water, and as we have records of extreme low tides, falling to 3 feet below mean low water, it became necessary to remove the rock on both sides of this pier to a depth of 35 feet at mean low water in order that the large ships of the lessee should at all times be free from any danger of grounding on the hard bottom. The work has been completed and the blasting and removing of the rock under water at so great a depth, it being 40 feet at mean high water, is unusual, if not the only case which has been recorded.

An iron shed, 50 feet in width, has been built by the lessee, the "American Line," from the southerly side of Pier, new 15, to a point 75 feet southerly of Pier, new 14.

All the newly-made land on this section (except where there are sheds) has been paved with granite blocks.

*Warren Street Section*—Extending from the northerly side of Pier, old 28, North river, to the northerly side of Pier, old 29, North river, a distance of about 253 feet.

Length of piling for the year.....	165.55 feet ; to date, 165.55 feet.
“ base blocks for the year.....	00.00 “ “ 00.00 “
“ “ E ” course granite for the year.....	00.00 “ “ 00.00 “
Approximate equivalent length of completed wall for the year.	62.00 “ “ 62.00 “

The old bulkhead on West street, on this section, having been acquired by the Department, the work of building the wall was begun in January last by dredging and good progress has been made in the work, more than half the piles having been driven.

Pier, new 19—The construction of this Pier was begun in September last, and it is now about three-fourths done. It will replace Pier, old 29. A ferry rack for the New York, Lake Erie and Western Railroad Company has been built in connection with the outer end of this Pier.

*Sections between Chambers and Laight Streets, Inclusive.*

Sections between Chambers and Laight streets, inclusive, on which the bulkhead or river wall has been completed, are as follows :

SECTION.	LENGTH OF “ E ” OR TOP COURSE OF GRANITE UNDER COPING.	EQUIVALENT LENGTH OF COMPLETED WALL.
Chambers Street.....	651.70	651.70
Jay Street.....	216.67	216.67
Franklin Street.....	415.95	415.95
North Moore Street.....	340.00	340.00
Beach Street.....	196.00	196.00
Laight Street.....	581.39	595.96
	2,401.71	2,416.28

The Chambers Street, Jay Street, Franklin Street, North Moore Street, Beach Street and Laight Street Sections, upon which sections the wall is now completed, make a continuous length of the bulkhead or river wall of 2,400 feet, and during the present summer the paving on these sections will doubtless be completed.

These sections embrace Piers, new 20, 21, 22, 23, 24, 25, 26, 27, 28 and 29, all of which have been completed. Only Piers, new 20, 21, 27, 28 and 29 have not yet been extended to the pierhead-line of 1890.

Pier, new 22—This pier has been built by the force of the Department and is 685 feet long and 75 feet wide. It has been leased to the Baltimore and Ohio Railroad Company, who propose to erect an iron freight shed upon it.

The new-made land between Duane and Franklin streets has been paved.

*Canal Street Section (Extended)*—Extending from the southerly end of the wall at Canal street to the north side of Pier, old 41, North river, a distance of about 150 feet, more or less.

Length of piling for the year.....	00.00 feet ; to date, 92.38 feet.
“ base blocks for the year.....	00.00 “ “ 85.30 “
“ E ” course of granite for the year.....	114.14 “ “ 114.14 “
“ completed wall for the year.....	49.50 “ “ 140.00 “

The Board having directed the extension of the Canal Street Section to the southward (on which section work has been suspended since 1877), plans were made, after consultation with the Bureau of Sewers, for the discharge of the Canal street sewer through the wall, and by two sewer-boxes under a pier to be built, in place of Pier, old 42. On account of the large size of the Canal street sewer, a very great variation from the standard wall became necessary and the work upon it has necessarily been slow. The work has, however, been finished very satisfactorily and the newly-made land has been paved with granite blocks.

The old Pier 42 has been removed and a new pier 40 feet wide by 723 feet in length, to be known as Pier 42, North river, has been built in place of it by contract.

Two large sewer-boxes convey the sewage from the Canal street sewer to the outer end of this pier where it is discharged into the North river, and the work done on this section is exceedingly valuable to the welfare of the City from a sanitary point of view, as well as commercially.

#### *Sections North of Canal Street.*

The sections north of Canal street, on which the bulkhead or river-wall has been completed, are as follows :

	LENGTH OF "E" OR TOP COURSE OF GRANITE UNDER COPING.	EQUIVALENT LENGTH OF COMPLETED WALL.
Canal Street Section .....	334.95	373.89
Spring Street Section.....	139.92	139.92
Charlton Street Section.....	405.74	406.74
New King Street Section.....	148.41	148.41
Old King Street Section .....	114.49	114.49
Lower Clarkson Street Section.....	152.91	152.91
Houston Street Section.....	109.89	109.89
Upper Clarkson Street Section .....	102.51	102.51
Leroy Street Section.....	561.46	561.46
Morton Street Section .....	151.33	151.33
Christopher Street Section .....	1,075.22	1,111.51
Total.....	3,317.83	3,373.06

These sections embrace Piers, new 34 to new 47, inclusive of both.

Pier, new 36, has been extended to the pierhead-line of 1890. The pier is now 725 feet long by 75 feet wide.

Pier, new 38—This pier has been extended to the pierhead-line of 1890. The pier is now 712 feet long by 75 feet wide.

Pier, new 39—This pier was extended last year to the pierhead-line of 1890 and a shed built upon the extension by the lessees, the National Steamship Company. The pier is now 707 feet long and 75 feet wide.

Pier, new 40—This pier was extended to the pierhead-line of 1890. The pier is now 696 feet long and 75 feet wide.

Pier, new 43—This pier was extended out to the pierhead-line of 1890. The pier is now 669 feet long by 50 feet wide.



*West Twenty-third Street Section, South End*—Extending from 10 feet south of the northerly side of West Twenty-third street to 43.27 feet north of Pier, new 57, a distance of 1,228.20 feet.

Length of piling for the year.....	76.60 feet ; to date, 1,228.20 feet.
“ base blocks for the year.....	349.96 “ “ 1,228.20 “
“ “ E ” course of granite for the year.....	163.42 “ “ 950.95 “
“ Extra “ E ” course of granite for the year.....	277.56 “ “ 482.77 “
“ coping for the year, set dry .....	405.14 “ “ 858.60 “
Approximate equivalent length of completed wall for the year	191.93 “ “ 1,206.20 “

The Department having acquired the bulkhead rights between West Twenty-third and West Twenty-fourth streets, thereby dissolving the injunction which has prevented the wall being built at this place, work was resumed last year and the wall has been completed between West Twenty-third and West Twenty-fourth streets.

A stone staircase has been built in the wall to afford a landing place for small boats.

Pier, new 53—This pier has been begun and in connection with it, a ferry-rack for the New York, Lake Erie and Western Railroad Company, lessees of the West Twenty-third Street Ferry to Jersey City.

The Department having also acquired the property between West Twenty-fifth and West Twenty-sixth streets, the work of building the wall there in a gap left on account of a former injunction was commenced last year and is now substantially completed.

The newly-made land is being paved with granite blocks, between West Twenty-fourth and West Twenty-fifth streets.

*West Twenty-third Street Section, North End*—Extending from 43.27 feet north of Pier, new 57, to the northerly line of West Thirtieth street, a distance of 615.42 feet.

Length of piling to date.....	615.42 feet.
“ base blocks to date.....	615.42 “
“ “ E ” course of granite to date .....	615.42 “
“ coping set dry to date.....	432.36 “
Approximate equivalent length of completed wall to date .....	603.90 “

An additional course of granite has been set on top of the “ E ” course for part of this section and the coping temporarily set, taken up and reset.

Filling has been put in behind the wall and temporary approaches and pavement laid and kept in order.

*West Thirty-first Street Section*—Extending from the northerly side of West Thirtieth street to the northerly side of West Thirty-first street, a distance of 257.5 feet.

This section remains in about the same condition as at the date of the last annual report. Very little has been done upon it since. It was completed in 1887.

*West Thirty-second Street Section*—Extending from the northerly side of West Thirty-first street to the northerly side of West Thirty-third street, a distance of 515 feet.

Length of dredging to date.....	515.00 feet.
“ piling to date.....	515.00 “
“ base blocks to date.....	518.00 “
“ “ E ” course of granite to date.....	186.80 “
Approximate equivalent length of completed wall to date.....	479.39 “

The work on the wall at this section was completed for the time being in 1890, and but little work of any kind has been done on the section since.

**West Thirty-third Street Section**—Extending from the northerly side of West Thirty-third street, about 98.75 feet northerly therefrom.

This section is upon property recently acquired by the Department, and dredging was begun upon it on April 10, 1890, and the wall was completed in 1891 for the length of the section, for the present.

Length of piling to date.....	98.82 feet.
“ base blocks to date.....	98.67 “
“ “ D ” course of granite to date.....	75.67 “
“ coping to date.....	00.00 “
Approximate equivalent length of completed wall to date. ....	89.77 “

This section is like the preceding section.

On account of great depth of soft mud in the bottom from West Twenty-third street to West Thirty-fourth street, the filling behind the wall is continually settling and requires additions from time to time.

**West Forty-third Street Section**—Extending from the northerly side of West Forty-third street to the northerly side of West Forty-fourth street, a distance of about 260.83 feet.

Length of dredging for the year.....	00.00 feet ; to date, 260.83 feet.
“ piling for the year.....	00.00 “ “ 253.80 “
“ base blocks for the year.....	00.00 “ “ 253.55 “
“ “ E ” course of granite for the year.....	185.53 “ “ 230.87 “
Equivalent length of completed wall for the year.....	38.93 “ “ 243.62 “

The wall on this section has been completed from the northerly side of West Forty-fourth street as far southerly as it can be until the Department is in possession of Pier at West Forty-third street and filling placed behind it.

**West Fifty-second Street Section, South End**—Extending from 83 feet 10 inches southerly of the southerly side of West Fiftieth street northerly to the north side of West Fifty-first street, a distance of 404 feet 8 inches.

Length of base blocks to date.....	404.05 feet.
“ “ E ” course of granite to date.....	404.05 “
Equivalent length of completed wall to date.....	406.53 “

On account of the small distance of the rock bottom of the river below mean low water mark on this section, there is no pile foundation for the bulkhead or river wall, but it will consist of concrete and masonry from the rock bottom to the top.

In constructing this wall the bottom was first cleaned of mud, etc., as well as practicable by dredging, which, however, does not remove the material which lies in holes and pockets in the surface of the rocks. The mud and rubbish that lay in these holes and pockets were then removed by an 8-inch pump, which would pass brick, small stones, etc., until the whole surface of the rock bottom was clean. Concrete in bags of 4 bushels capacity and about 3 feet 6 inches long, 8 inches thick and 2 feet wide, when filled, was then placed upon the bottom, and the bags so placed and built together as to form a seat or resting place to receive the base blocks. The top of the bags being somewhat irregular, a layer of fine concrete, made of  $1\frac{1}{2}$  volumes of cement, 2 of sand and 4 of roofing gravel or pebbles, not larger than 1 inch in their greatest dimensions, was placed thereon in order to make a plane surface to receive the bottom of the base blocks. The base blocks were then set in place upon the bags, and the leveling-off layer of fine concrete and the granite and concrete backing built upon the top of the base blocks. Each base block made 6 feet in length of the foundation wall.

The wall on this end of this section was completed and put in use in 1891, from 83 feet 10 inches south of West Fiftieth street to the northerly side of West Fifty-first street.

*West Fifty-second Street Section, North End*—Extending from the northerly side of West Fifty-first to the northerly line of West Fifty-fifth street, a distance of 1,043 feet 4 inches.

Length of dredging for the year.....	239.00 feet ; to date, 779.00 feet.
“ rock bottom cleaned for the year.....	285.00 “ “ 633.00 “
“ concrete in bags for the year.....	302.40 “ “ 632.00 “
“ concrete in mass for the year.....	302.20 “ “ 631.00 “
“ base blocks for the year.....	197.18 “ “ 518.00 “
“ “ E ” course of granite for the year.....	220.60 “ “ 479.00 “
Equivalent length of completed wall for the year.....	275.72 “ “ 610.14 “

The work upon this end of this section has been continued. The construction is the same as that on the south end of the section for the same reason. For some portions it has been found advisable to put the base blocks in three tiers, one above the other, on account of the depth of the rock below mean low water. Filling behind the wall has followed its construction.

Pier at West Fifty-fourth street—A new pier, 500 feet long by 60 feet in width, has been built by the force of the Department at the foot of West Fifty-fourth street.

A temporary pavement on the newly-made land from West Fifty-fourth to West Fifty-sixth street, including the approaches to the piers at Fifty-fourth, Fifty-fifth and Fifty-sixth streets, has been laid.

*West Fifty-seventh Street Section*—Extending from the northerly side of West Fifty-fifth street to the southerly side of West Fifty-eighth street, a distance of 762 feet 6 inches.

The wall on this section was completed last year and the Department's Yard was extended southerly to Fifty-sixth street, upon the filling placed behind it.

#### EAST RIVER.

*Stanton Street Section*—Extending from the south side of Rivington street to the north side of Stanton street, a distance of 557.21 feet, under unanimous resolution of the Board, March 1, 1893.

Length of dredging for the year.....	260.00 feet ; to date, 490.00 feet.
“ piling for the year.....	475 50 “ “ 475.50 “
“ base blocks for the year.....	318.90 “ “ 318.90 “
“ “ E ” course of granite for the year.....	264.33 “ “ 264.33 “
Equivalent length of completed wall for the year.....	318.74 “ “ 333.74 “

The Department having acquired the southerly half of Pier 62 at the foot of Stanton street and bulkhead adjoining, a section of the bulkhead or river wall was begun last year at Stanton street under unanimous resolution of the Board passed on March 1, 1893. It is upon the East One Hundred and Second Street Section plan.

The filling behind the wall has been begun and is in progress.

Pier 62, at Stanton street—The old pier at foot of Stanton street has been removed and a new pier, 341.6 feet long and 60 feet wide, has been built by the force of the Department in place of it.

*East Twenty-fourth Street Section*—Extending from south side of East Twenty-fourth street to the northerly line of East Twenty-fifth street, a distance of 340.60 feet, under unanimous resolution of the Board, April 25, 1889, as amended June 18, 1891.

The Health Department having in 1892 obtained the transfer of the premises between East Sixteenth and East Seventeenth streets to it for hospital purposes, the Department Yard on the East river was ordered to be transferred to the block between East Twenty-fourth and East Twenty-fifth streets, and work on this section has been pushed in consequence. The wall and filling behind it has been finished and the yard removed to this section, and offices, platforms and other plant established.

Pier at East Twenty-fourth street—This pier has been extended 535 feet by the force of the Department.

Pier at East Twenty-fifth street—This pier has been completed and fitted for use as a part of the East Twenty-fourth Street Yard. The pier is 705 feet in length by 60 feet in width.

*East Twenty-fifth Street Section*—Extending from the northerly side of East Twenty-fifth street to the northerly side of East Twenty-sixth street, a distance of 276 feet, under unanimous resolution of the Board, passed October 27, 1892.

Length of piling for the year.....	188.74 feet ; to date, 276.24 feet.
“ base blocks for the year.....	124.83 “ “ 138.35 “
“ “ E ” course of granite for the year.....	117.18 “ “ 117.28 “
Equivalent length of completed wall for the year.....	157.00 “ “ 188.08 “

This work is built upon the East One Hundred and Second Street Section plan.

Work has progressed well on this section during the year and it is rapidly approaching completion.

*Bellevue Section*—Extending from the northerly side of East Twenty-sixth street to the northerly side of East Twenty-eighth street, a distance of 543.81 feet, under unanimous resolution of the Board, passed April 25, 1889.

Length of piling for the year.....	21.39 feet ; to date, 543.81 feet.
“ base blocks for the year.....	21.39 “ “ 543.81 “
“ “ E ” course of granite for the year.....	21.39 “ “ 543.81 “
“ Length of coping for the year.....	00.00 “ “ 459.08 “
Equivalent length of completed wall for the year.....	14.17 “ “ 536.59 “

This section was substantially completed in 1892, and is in use by the Department of Public Charities and Correction in connection with Bellevue Hospital.

East Twenty-ninth Street Pier—A new pier has been built by the force of the Department at the foot of East Twenty-ninth street, with a temporary approach to it from the bulkhead at the foot of the street. It is 60 feet wide and 423 feet long.

*East Ninety-first Street Section*—Extending from the southerly side of East Ninety-first street to the northerly side of East Ninety-second street, a distance of about 376 feet. Work has been begun on this section and good progress made.

Length of dredging for the year.....	125.00 feet ; to date, 125.00 feet.
“ rock bottom cleaned for the year.....	68.00 “ “ 68.00 “
“ concrete in bags for the year.....	38.00 “ “ 38.00 “
“ concrete in mass for the year.....	36.90 “ “ 36.90 “
“ base-blocks for the year.....	12.05 “ “ 12.05 “
“ “ E ” course of granite for the year.....	00.00 “ “ 00.00 “
Equivalent length of completed wall for the year.....	53.41 “ “ 53.41 “

On account of the nature of the bottom the southerly end of the wall on this section will be built on the plan of the West Fifty-second Street Section.

Pier at East Ninety-first street—A new pier at the foot of this street has been begun by the force of the Department.

*East Ninety-fourth Street Section*—Extending from the southerly side of East Ninety-fourth street to the northerly side of East Ninety-fifth street, a distance of 373.08 feet.

This Section and the Piers at East Ninety-fourth and East Ninety-fifth streets have been in commercial use.

A temporary pavement has been laid on the newly-made land and approaches to the piers.

*East Ninety-sixth Street Section*—Extending from the southerly side of East Ninety-sixth street to the middle of the block, between East Ninety-sixth and East Ninety-seventh streets, a distance of about 200.92 feet.

Length of dredging for the year.....	00.00 feet ; to date, 200.48 feet.
“ piling for the year.....	00.00 “ “ 200.48 “
“ base blocks for the year.....	00.00 “ “ 200.78 “
“ “ E ” course of granite for the year.....	108.31 “ “ 200.57 “
Equivalent length of completed wall for the year. ....	34.57 “ “ 200.57 “

The wall on this section has been completed and the filling behind it nearly finished.

Pier at East Ninety-sixth street—A new pier, 247 feet long and 60 feet wide, has been built at the foot of East Ninety-sixth street by the force of the Department.

*East Ninety-ninth Street Section*—Extending from the southerly side of East Ninety-ninth street to the northerly side of East One Hundredth street, a distance of about 365 feet.

Length of dredging for the year .....	00.00 feet ; to date, 150.00 feet.
“ piling for the year .....	121.50 “ “ 136.00 “
“ “ E ” course of granite for the year.....	121.27 “ “ 121.27 “
Equivalent length of completed wall for the year.....	96.40 “ “ 121.90 “

The building of the wall on this section was begun last year at the northerly side of East One Hundredth street, and the wall has been built far enough to the southward to permit filling-in and the building of a pier at foot of East One Hundredth street.

East One Hundredth street—A pier at the foot of this street has been begun by the force of the Department and is nearly completed.

#### HARLEM RIVER.

*East One Hundred and Second Street Section*—Extending from the southerly side of East One Hundred and First street to the northerly side of East One Hundred and Fourth street, a distance of 848.65 feet ; south end, 144.70 feet in length.

Length of dredging for the year.....	00.00 feet ; to date, 144.70 feet.
“ piling for the year.....	00.00 “ “ 144.70 “
“ base blocks for the year.....	72.25 “ “ 144.70 “
“ “ E ” course of granite for the year.....	144.70 “ “ 144.70 “
“ coping for the year.....	144.70 “ “ 144.70 “
Equivalent length of completed wall for the year.....	32.37 “ “ 144.70 “

The wall on this section was begun at its northerly end, and it was built southerly from the northerly line of East One Hundred and Fourth street, upon the plan described in the Annual Report for 1892, to a point 85 feet northerly of the northerly line of East One Hundred and First street, where the nature of the bottom changed so much that the wall south of this point has been built upon the plan of the wall of 1876.

*East One Hundred and Second Street Section*—Extending from the southerly side of East One Hundred and First street to the northerly side of East One Hundred and Fourth street, a distance of 848.65 feet ; north end, 703.95 feet in length.

Length of dredging for the year.....	00.00 feet ; to date, 703.95 feet.
“ piling for the year.....	00.00 “ “ 703.95 “
“ base blocks for the year.....	224.30 “ “ 703.95 “
“ “ E ” course of granite for the year.....	288.40 “ “ 703.95 “
“ coping for the year. ....	293.32 “ “ 703.95 “
Equivalent length of completed wall for the year.....	170.10 “ “ 698.95 “

This section is described under the preceding heading.

The work on the whole of this section is nearly completed and the filling-in behind the wall will also soon be finished.

*East One Hundred and Tenth Street Section*—Extending from the southerly side of East One Hundred and Seventh street to the northerly side of East One Hundred and Tenth street, a distance of 855.86 feet.

Length of piling to date.....	760.00 feet.
“ base blocks to date .....	756.15 “
“ “E” course of granite to date.....	750.85 “
“ coping to date.....	698.06 “
Equivalent length of completed wall for the year.....	750.85 “

The wall on this section was substantially completed in 1892, and temporary pavement and approaches have been made and it has been in commercial use.

*East One Hundred and Twenty-fifth Street Section*—Extending from the southerly side of East One Hundred and Twenty-fifth street to a point 25 feet northerly of the northerly line of East One Hundred and Twenty-fifth street, and westerly to the angle of the bulkhead-line northerly of East One Hundred and Twenty-fifth street, a distance of 365 feet.

Length of bottom cleaned to date.....	367.27 feet.
“ base blocks to date.....	362.70 “
“ “E” course of granite to date.....	362.70 “
“ coping to date.....	362.70 “

This section has been substantially completed (except final pavement) and has been in commercial use.

### TEMPORARY CONSTRUCTION UNDER NEW PLAN.

#### Chapter 567 of the Laws of 1887.

##### NORTH RIVER.

Pier, old 42, at Canal street, North river—A portion of this pier was removed under Contract No. 433, and a portion of a new pier, to replace it, built under Contract No. 434 last year, and the whole pier has now been completed with two large sewer boxes under it to convey the sewage from Canal street sewer to the outer end of the pier at the pierhead-line of 1890, and a new dumping board for use of the Department of Street Cleaning has been built upon it to replace the old dump on the old pier. This pier is 723 feet long by 40 feet wide.

Pier at West Fifteenth street—The old pier at West Fifteenth street has been removed and a new pier built in place of it by Contract No. 454. This new pier is 284 feet long by 60 feet wide.

### WORK OF CONSTRUCTION NOT UNDER NEW PLAN.

##### NORTH RIVER.

Cribwork-bulkhead from West One Hundred and Twenty-ninth street to West One Hundred and Thirtieth street—A cribwork-bulkhead between West One Hundred and Twenty-ninth street and West One Hundred and Thirtieth street begun in 1893 under Contract No. 427, having been delayed by large quantities of ice in the river on account of the severity of the winter, has been completed.

##### EAST RIVER.

Blackwell’s Island—An addition to the “Store-house Dock” on Blackwell’s Island has been built, under Contract No. 442.

##### HARLEM RIVER.

One Hundred and Thirty-eighth street, Harlem river—A crib-bulkhead was constructed on the easterly side of above premises by John H. Cheever, under permit of the Board. Begun May 2, 1892, and finished May 8, 1893.

Mott Haven Canal, easterly side of Harlem river—A crib-bulkhead was constructed at above premises by John H. Cheever, under permit of the Board. Begun September 3, 1892, and finished May 8, 1893.

Eighth avenue, Harlem river—An elevated coaling and switching station of iron and wood was erected at above premises by Manhattan Railway Company, under permit of the Board. Begun March 9, 1893, and finished June 10, 1893.

Oak Point, Leggett's Creek—The water-front in the vicinity of above premises is being improved by filling-in, etc., by East Bay Land and Improvement Company, under permit of the Board. Begun September 15, 1891; in progress.

#### RIKER'S ISLAND.

This island was acquired by the city in 1884 by purchase from private parties; and by chapter 469, Laws of 1885, a grant of lands under water by the State to the City was authorized, extending to a contour line of about 12 feet in depth at mean low water around and about the island, and the Secretary of War, on the 24th of January, 1893, under section 12 of the River and Harbor Act, approved September 19, 1890, modified the pierhead and bulkhead lines around the island, so that the city can avail itself fully of the benefits of the grant by filling-in and making land around the island.

A cribwork retaining structure has been begun on the westerly side of the island, under Contract No. 449, to inclose an area of shallow water to be filled-in by the Department of Street Cleaning. The area enclosed is 65 acres and the quantity of filling that can be placed there, over 2,000,000 cubic yards. The work was suspended in February, 1894, in order to allow the Department of Street Cleaning to have access to the inclosure for depositing filling, but will shortly be resumed and completed.

#### CONSTRUCTION UNDER CHAPTER 298, LAWS OF 1892.

Under the above law an iron awning shed for the protection of citizens from sun and rain has been erected on the West Thirty-fourth Street Pier, under Contract No. 437; on the West Fifty-second Street Pier, under Contract No. 446, and on the pier at the foot of East Third street, under Contract No. 441.

#### GENERAL REPAIRS.

The repairs to piers, bulkheads, etc., have cost somewhat less during the past year than the average cost for the past four years. A detailed statement of them is given in the appendix.

#### FLOATING PROPERTY.

The floating property of the Department has increased by two new pile-drivers, Nos. 15 and 16, and one diver's scow, built by the Department Force at West Fifty-seventh street; also by one naphtha engine launch purchased.

A full list of the floating property will be found in the appendix.

#### SURVEYING PARTY.

Base lines and bench marks have been verified from time to time in connection with the construction of the bulkhead-wall at the different sections on the North, East and Harlem rivers, and of piers, and from these lines and levels have been given during the progress of the work.

Lines and levels have also been given on contract work for general repairs.

The quantities of sand, broken stone for concrete, rip-rap and cobble stones delivered at the various sections and piers have been measured and calculated.

Surveys and examinations have been made over 863,954 linear feet of water front. The surveys have been plotted and put on file in this office and tracings have been prepared therefrom.



14,605 rod soundings to ascertain the depth of soft mud have been taken, of which 8,166 were on the North river and 6,439 on the East and Harlem rivers. 125,326 disk soundings to ascertain the depth of water have been taken on the North, East and Harlem rivers in 1,216 slips, of which 69,439 in 676 slips were on the North river, and 55,917 in 540 slips were on the East and Harlem rivers.

Of the above, 29,972 disk soundings and 12,315 rod soundings were for construction, and 95,354 disk soundings and 2,290 rod soundings were for general repairs and examinations, etc., taken before and after dredging, all of which have been reduced, plotted and placed on file in this office.

All the dredging done by the Department has been supervised, as also the dredging done by private parties.

The accounts of all dredging done by the Department have been kept, and from them monthly reports, statements for estimates, etc., have been made and receipts given, as required.

The automatic tide-gauges on the Harlem river, Port Morris, Pier "A," North river, at West Fifty-seventh Street Yard, North river, and East Twenty-fourth Street Yard, East river, have been attended to, and the records preserved.

#### DEPARTMENT YARDS.

*West Fifty-seventh Street Yard*—This yard was enlarged last year by extending it southerly to the northerly side of West Fifty-sixth street, so that it now extends from the northerly side of West Fifty-sixth street to the southerly side of West Fifty-eighth street.

12,486 barrels of Portland cement have been received at this yard for the work of the Department, 84 special base blocks for the bulkhead or river wall, containing nearly 2,500 yards of concrete, and 20 base blocks for the bulkhead or river wall, containing about 675 cubic yards of concrete, have been built at this yard.

Granite for the wall has also been received upon the extension of this yard.

Various stores and supplies have been received and issued as usual.

An elevated coal-bin, to handle the coal used by the Department economically, has been built on the outer end of the Pier at West Fifty-seventh street, and the erection of bins, platforms, etc., on the inner end of the same pier and on the bulkhead between West Fifty-seventh and West Fifty-eighth streets, to facilitate the work of the Department, has been begun and is well advanced to completion.

*East Twenty-fourth Street Yard*—The area occupied by this newly-established yard lies between East Twenty-fourth and East Twenty-fifth streets and easterly of what was formerly Avenue A. Its length on the northerly line of East Twenty-fourth street is 198.7 feet, on the southerly line of East Twenty-fifth street 122 feet, and it has a length on the bulkhead or river wall of 212 feet. The newly-made land and the top of the wall are occupied by the offices, the cement shed, the platforms for building base blocks and the various shops necessary for the work. The new pier at foot of East Twenty-fifth street is also included in this yard, and used for the reception, inspection and issue of granite-stones for the wall. The work upon the shops and other appliances and the pier is practically completed, and the Department has a very complete and well appointed yard for carrying on its work.

141 base blocks for the wall, containing 5,207 cubic yards of concrete, have been built at this yard, and 16,609 barrels of Portland cement received.

#### TIMBER BASINS.

Timber furnished under various contracts has been received, inspected and issued at the timber basins at West Fifty-fourth, West Fifty-seventh and West Seventy-fifth streets.

#### CLEANING WHARVES, PIERS, ETC.

By section 7, chapter 269, Laws of 1892, the Department of Street Cleaning is relieved from the duty of cleaning wharves, piers, etc., and the Department of Docks is given power and



authority, and it has made it its duty to cause all the wharf property under its charge and control to be cleaned, and this work has been done by the Department, under the resolution of May 12, 1892.

I submit herewith an appendix, containing :

A summary of the work of construction under "New Plan."

A summary of temporary construction under "New Plan."

A summary of the work of construction not under "New Plan."

A summary of work of "General Repairs."

A summary of work of "Floating Property."

A summary of work at the Department Yards.

A statement of stock on hand, purchased, fabricated and issued at West Fifty-seventh Street Yard and at East Twenty-fourth Street Yard.

A statement of granite on hand, received and issued.

A summary of work done for other departments.

A summary of work done for and at the expense of alleged owners, lessees and others.

A summary of work done in Draughtsman's room, office of Engineer-in-Chief.

A list of contracts under which work has been done during the year.

A list of the forms of contracts and specifications submitted to the Board of Docks during the year.

A statement in detail of the dredging done by the Department of Docks during the year.

A table of the dredging done by lessees or owners during the year, by order or under permit of the Board of Docks.

A full statement of the work done by lessees and owners of piers and bulkheads, and by others, by order or under permit of the Board of Docks and under my general supervision.

A table of wharfage room made by the Department of Docks during the year.

A table of wharfage room made during the year by private parties, under permit of the Board.

#### SHEDS ON PIERS AND MATERIALS OF CONSTRUCTION.

The law authorizing the erection of sheds on the wharves, piers and bulkheads in the city (section 772 of Consolidation Act) requires the shed to be constructed subject to the regulations and under the authority of the Superintendent of Buildings and the Department of Docks. For some years past the Superintendent of Buildings has required various methods of construction to be used for protection against fire, and recently all sheds have been required to be built of incombustible materials, that is, the frames of the sheds have been made of iron or steel, with corrugated-iron covering.

The sheds have been gradually increasing in size and cost, and the shed of the American Line, on Pier, new 14, recently built, is 600 feet long, 118 feet wide and 45 feet high to the eaves, and cost upward of \$200,000. The pier on which it rests is of wood and the anomaly is striking.

The Department has heretofore built all its piers of wood, except Pier "A" and Pier, new 1, on the North river, because of its cheapness and of the constant changes in the size of ships and their requirements. Thirty-five or forty years ago the requirements of shipping were met by piers about 40 feet wide and 400 feet long, with slips between them from 125 to 150 feet wide, which changed so that fifteen to twenty years ago certain ocean steamers required piers 70 feet wide and 500 feet long, and to-day there is a demand for piers 80 feet wide, 750 feet long, with slips between them of upwards of 200 feet.

**These changes** require the removal of two or three old piers and replacing them with one or  
**e. If these old piers** had been built of masonry, though it would at the end of thirty

years be capable of many years of use and wear, the material would go into the dump, and if of iron into the scrap heap, with very great loss and waste. The wooden piers, however, cost but little to build, and last, when covered by sheds, some thirty years or more with proper care and repairs, and when they are removed to make place for larger piers the wood has fulfilled its lifetime and purpose and there is no loss or waste of good and serviceable material.

Except where very large and costly sheds are to be built upon the piers, the system of wooden piers, on account of the constant change of the requirements of shipping, is doubtless correct.

The erection, however, of the large and costly sheds of steel and iron upon the piers raises the question whether the piers themselves should not be built of entirely incombustible as well as longer lived materials, and it seems probable that for such piers as are to have such sheds upon them it will be proper to incur the very much greater cost of iron and steel piers with concrete or asphalt floors or decks.

#### NEW BULKHEAD AND PIERHEAD LINES.

By act of Congress of August 11, 1888 (section 12), the Secretary of War is authorized to cause bulkhead and pierhead lines to be established in harbors of the United States. Under this law a Board of United States Engineers, consisting of General Henry L. Abbott, Colonel William P. Craighill, General C. B. Comstock, Colonel D. C. Houston and Colonel G. L. Gillespie, was organized in October, 1888, to fix the lines in the harbor of New York and adjacent waters.

On April 15, 1890, this Board submitted a report to the Secretary of War, recommending among others the fixing of bulkhead and pierhead lines on both the North and East rivers, on Manhattan Island, southerly from West Eighty-first street, on the North river, to the Battery, and around the Battery to the East river, and thence northerly to East Eighty-first street.

The report and the map accompanying it were approved by the Honorable Redfield Proctor, Secretary of War, on April 25, 1890, and the exterior lines for bulkheads and solid filling, and for piers, are thereby fixed by the highest authority, for that portion of the water-front of this city south of Eighty-first street, on both rivers.

September 17, 1890, this Board submitted a further report to the Secretary of War, recommending among others the fixing of bulkhead and pierhead lines on the North, East and Harlem rivers, on Manhattan Island, northerly from West Eighty-first street, on the North river, to Spuyten Duyvil, and around the north end of Manhattan Island, and thence southerly to East Eighty-first street; also on the easterly or continental side of the Harlem river, from the North river around Spuyten Duyvil, and thence southerly and easterly around Port Morris to Bungay street; also around Blackwell's, Randall's and Ward's Islands, and the sunken meadow east of Randall's Island.

This report and the map accompanying it were approved by L. A. Grant, the Assistant Secretary of War, on October, 18, 1890.

On December 23, 1890, this Board submitted a further report in this connection to the Secretary of War, recommending the fixing of bulkhead and pierhead lines on the westerly side of the East river, from Bungay street northerly around Hunt's Point to the mouth of the Bronx river, at a point about opposite the prolongation of Lane avenue.

This report and the map accompanying it were approved by L. A. Grant, Assistant Secretary of War, on January 9, 1891.

On February 8, 1892, this Harbor Line Board submitted its most recent report to the Secretary of War, relating to bulkhead and pierhead lines, within the jurisdiction of the City of New York, recommending the fixing of a bulkhead and pierhead-line around Great and Little Mill Rock, and the Government dike connecting them.

This report and the map accompanying it were approved by the Honorable S. B. Elkins, Secretary of War, March 9, 1892.

These lines are exterior lines only, and there is no objection to building bulkheads or piers within or shoreward of them, or to excavating or removing bulkheads already built and building new bulkheads farther inshore.

On the East river and the Harlem river the lines established conform substantially with lines fixed or proposed by this Department.

On the North river the bulkhead-line is substantially the same as that now established, and the pierhead-line is also the same above West Twenty-third street. Below West Twenty-third street, however, the pierhead line is thrown out into the river so that the local authorities can extend the length of the piers various distances, in the maximum to about 155 feet, beyond the line established at present.

From West Eleventh to West Fourteenth street, North river, the distance between this new pierhead line and the established bulkhead line, varies from 45 feet at West Fourteenth street to 160 feet at West Eleventh street.

This is, of course, no substantial advantage under the present established bulkhead-line at this place. If, however, the plan for the improvement of this portion of the water front, recommended in the report for 1880, and modified so as to improve and not disturb the new West Washington Market, in the report of 1888, and which was approved and supported by the Board in the fall of 1888, and before the Legislature of 1889, should be carried out, this additional length to the pier therein proposed would be of substantial advantage and benefit.

I submit the following extract from the report of the Board of United States Engineers of April 13, 1890, above referred to, in relation to this section of the water front:

"At West Fourteenth street, North river, the original width of the river has been materially impaired by artificial encroachments on both banks, the more to be regretted as Castle Point, a rocky headland on the opposite shore, formed originally a marked gorge in the river, which should not have been made worse by artificial shore extensions.

"From West Eleventh street, north, to West Seventeenth street, New York City, the existing legal piers and bulkhead-lines coincide. The unfortunate extension of the bulkhead-line to nearly the established limit for the pierhead line to the southward has had the effect of restricting very much the length of the piers, and, in consequence, of prohibiting the use of this front to all except small vessels.

"The Board thinks that if wharf room is needed in this locality for longer vessels, it should be gained only by excavations in rear of the bulkhead-line, and not by extension of piers into the river beyond the line now recommended."

The Legislature, by the passage of chapter 158 of the Laws of 1892, has authorized and empowered the local authorities to make the necessary changes on this section of the plans of 1872 and the work can then be carried on.

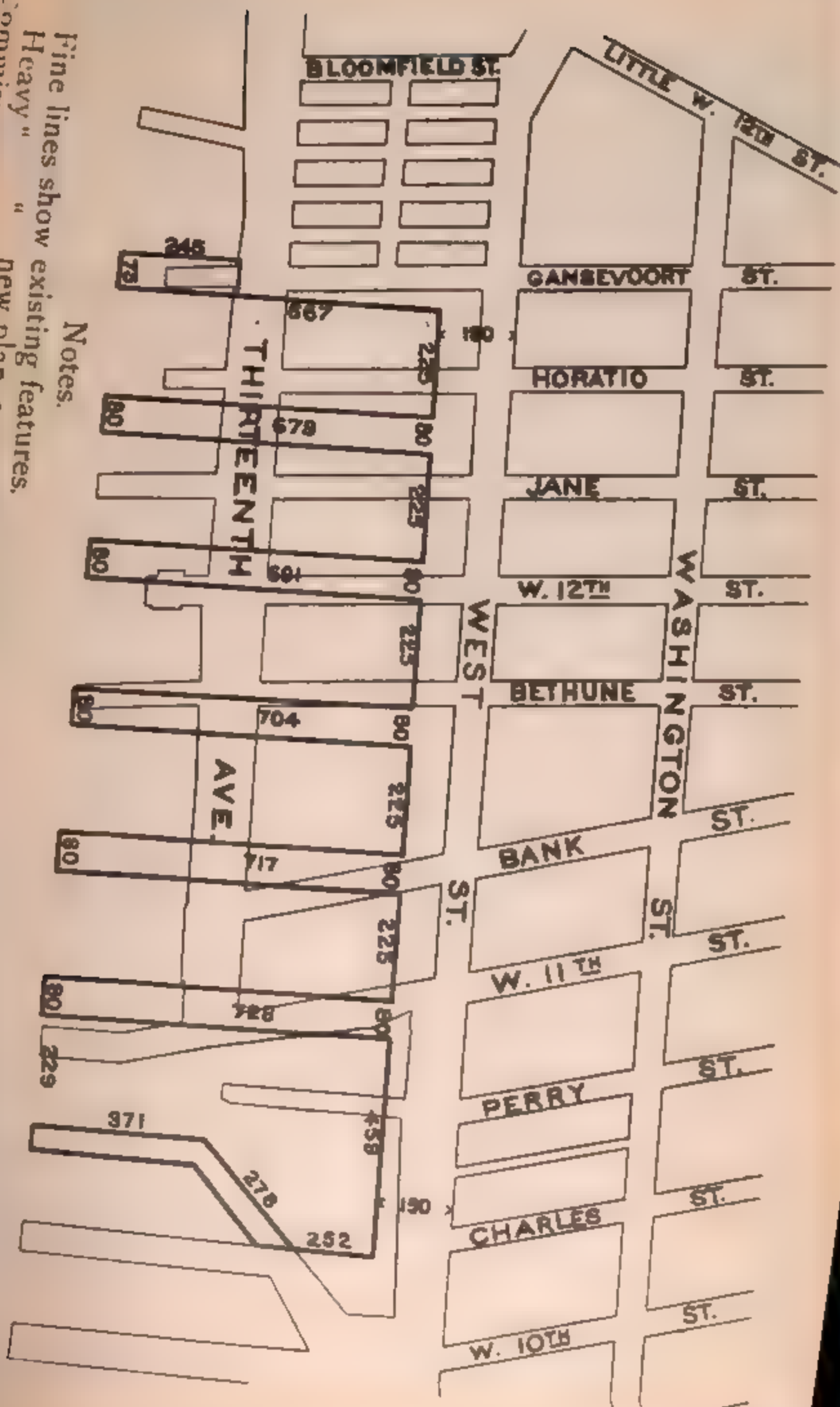
As there is no doubt whatever that the execution of this plan will greatly increase the facilities of commerce, relieve the congestion and crowding on the water front below West Eleventh street, provide room for the ever-increasing trade of the city, and also yield a profit on its cost, I beg to urge upon the Board the importance of at once beginning this work.

I have repeated the above from my last annual report, and it is with no little gratification that I mention the fact that on the 30th March, 1894, a portion of the plan, carefully considered and settled in 1880, and persistently urged ever since, was adopted by the Board of Commissioners of the Sinking Fund, and is now the "base plan" according to which any wharf, pier, bulkhead basin, dock, ship, or any wharf structure or superstructure shall be laid out or constructed within the territory of the street and is confined upon such plan."

It will be noted that the piers and ships shown upon this plan are of unusually large size.

## Notes.

Scale, 1 inch=400 feet.





As stated above, the changes in size of ships, and also in the method of handling the ships and their cargoes, require that piers and slips be made larger in order to accommodate them. I submit in the appendix some interesting tables of the dimensions of steamships for the past twenty years which show the constant increase in the size of ships on transatlantic as well as coastwise lines, and also that among the first-rate ships, sometimes called "ocean greyhounds," the "City of Berlin" in 1874 was 520 feet long, with tonnage of 5,500, while the "Campama" and "Lucania" of to-day are each 625 feet long, with tonnage of 13,000.

From 1875 to 1880 owners of steamships gladly leased piers from Canal to West Tenth street on the North river which were about 575 feet long, 70 feet wide, with slips of about 175 feet width, and such piers accommodated the business of the ships of that day very well, but to-day these same owners having increased the size of their ships, as shown in the tables in the appendix are cramped for room to properly conduct their business and are seeking larger and more roomy quarters.

As will be seen by the tables, there are at present seven vessels running to this port over 550 feet long and over 8,000 tonnage and their owners would doubtless be glad to occupy the five large piers shown on the new plan now, if they were built and ready for use, while the piers they now occupy would be used by smaller vessels or the space occupied by three of them would, after removing the existing piers, be occupied by two piers of larger size and with larger slips.

The tendency is certainly toward large vessels and it is very unsafe indeed for any one, in view of the past, to predict any limit of their size,\* and at the same time the commerce of the port and of the city is ever increasing, therefore there is no fear that there will be too many piers and that the largest piers will not be needed for large vessels and the execution of this new plan should be energetically pushed to completion in order to supply the demands of the commerce of the city.

The North river, because of less difficulties in its navigation than the East river, will always be preferred by the large vessels for their berths, and as it is true that small vessels will always be in use, and that they do not require large piers or large slips between them, it follows that other sections of the water-front can be advantageously and economically improved with small piers and slips for their use.

#### PIERHEAD-LINES OF 1890.

Under chapter 482, Laws of 1890, the pierhead-line from the Battery to West Seventieth street, on the North river, was altered and made to conform with the pierhead-line approved and established between those points by the Secretary of War, April 25th 1890, by the Department of Docks, on July 3, 1890, and its action was approved by the Commissioners of the Sinking Fund on July 24, 1890.

The following piers have been extended to the new pierhead-line to date:

Pier, new 24, N. R.	Pier, new 39, N. R.	Pier at West Eleventh street, N. R.
Pier, new 25, N. R.	Pier, new 40, N. R.	Pier at Bethune street, N. R.
Pier, new 26, N. R.	Pier, new 42, N. R.	Pier at Jane street, N. R.
Pier, new 34, N. R.	Pier, new 43, N. R.	Pier, old 57, N. R.
Pier, new 35, N. R.	Pier, new 44, N. R.	Pier, old 58, N. R.
Pier, new 36, N. R.	Pier, new 45, N. R.	Pier at West Twenty-first street, N. R.
Pier, new 37, N. R.	Pier, new 46, N. R.	Pier at West Twenty-second street, N. R.
Pier, new 38, N. R.	Pier, new 47, N. R.	

The following pier has been ordered extended to the new pierhead line of 1890:

Pier at West Nineteenth street, N. R.

\* The "Great Eastern" was 680 feet long between perpendiculars, 691 feet long on deck, with gross tonnage of 22,500.

The expenditures of the Department for the past year have been the largest since its creation, aggregating \$2,798,455.73, somewhat exceeding the expenditure for last year. Of this amount, \$782,265.63 was on account of "acquired property," some of it in settlement of suits which have been long pending.

The amount audited on Construction Account was \$1,786,236.30, and on General Repairs, \$160,416.06, and the distribution of these amounts between wages and salaries of the pay-rolls and bills and claims, including cost of materials and payments for dredging, and for contracts, is as follows :

	PAY-ROLLS.	BILLS AND CLAIMS.	TOTAL.
Construction .....	\$711,617 35	\$1,074,618 95	\$1,786,236 30
Repairs.....	48,299 12	112,116 94	160,416 06
	\$759,916 47	\$1,186,735 89	\$1,946,652 36

The equivalent length of completed bulkhead or river wall on the North river for the year is 626.79 feet ; on the East river, 674.29 feet and on the Harlem river, 202.47 feet, making a total of 1,503.55 feet.

The total length of bulkhead or river wall completed on the " E " course is as follows :

On North river.....	12,003 feet.
On East river.....	2,354 "
On Harlem river.....	1,561 "
Total.....	<u>15,918 feet.</u>

Three new piers have been built on the North river, and four new piers on the East river ; and four of the city's piers on the North river, and one of the city's piers on the East River, have been extended to the pierhead-line of 1890 ; also one private pier on the North river has been extended to the pierhead-line of 1890.

518 feet of crib-bulkhead on the North river, and 250 feet of crib-bulkhead on the East river, has been built. The total new wharfage room made is 10,544 feet, or nearly two miles, while the net wharfage room gained is 8,149 feet.

Very respectfully, your obedient servant,

G. S. GREENE, JR., Engineer-in-Chief.



Construction under "New Plan."

## APPENDIX.

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# SUMMARY OF THE JOURNAL OF THE WORK FOR THE YEAR ENDING APRIL 30, 1894.

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### WORK OF CONSTRUCTION UNDER THE NEW PLAN.

#### NORTH RIVER WATER-FRONT.

##### BETWEEN DEY AND BARCLAY STREETS.

##### *Paving New-made Land.*

Under Contract No. 447.

July 1 to September 13, 1893.—The work under this contract was commenced by Christian Lauer, contractor, July 1, and finished September 13, 1893, and consisted in preparing for and paving newly-made land between Dey and Barclay streets, North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains, etc.

##### DEY STREET SECTION.

Under Unanimous Resolution of the Board, February 21, 1894.

##### *Bulkhead-wall Proper.*

##### DREDGING.

March 16 to April 11, 1894.—Morris & Cumings, contractors, dredged mud, cribwork, piles and pile points from bulkhead-wall area, under Treasurer's Orders Nos. 17671, 17672 and 17673.

##### STONE-FILLING.

##### Cobble.

April 10 to April 30, 1894.—Cobble was discharged by Brown & Fleming for pile foundation, under Treasurer's Orders Nos. 17622 and 17715.

##### Rip-rap.

April 14 to April 30, 1894.—Rip-rap was discharged for wall foundation, under Treasurer's Orders Nos. 17697 and 17749.

##### VERTICAL PILING.

April 14 to April 30, 1894.—76 vertical piles were driven, regulated and stay-lathed.



Construction under " New Plan."

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Dey Street Section.  
In Linear Feet of Wall.

Work.	COMPLETED WORK.		WORK TO BE COMPLETED
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	214.00	214.00	26.00
Stone filling—Cobble.....	.....	.....	240.00
"    Rip-rap.....	.....	.....	240.00
Piling and woodwork—Vertical piles .....	21.00	21.00	219.00
"        Bracing piles.....	.....	.....	240.00
"        Binding frames.....	.....	.....	240.00
"        Sawing piles.....	.....	.....	240.00
"        Longitudinal capping.....	.....	.....	240.00
"        Transverse capping.....	.....	.....	240.00
"        Cap decking .....	.....	.....	240.00
Masonry—Base blocks.....	.....	.....	240.00
"    Chain-holes.....	.....	.....	240.00
"    " A B " course granite.....	.....	.....	240.00
"    " C " course granite.....	.....	.....	240.00
"    " D " course granite.....	.....	.....	240.00
"    " E " course granite.....	.....	.....	240.00
"    Concrete packing .....	.....	.....	240.00
"    Coping .....	.....	.....	240.00
"    Backing-log and bolt-holes .....	.....	.....	240.00
"    Pointing .....	.....	.....	240.00
Earth filling.....	.....	.....	240.00
Wall actually completed.....	.....	.....	240.00
Equivalent length of completed wall.....	2.33	2.33	237.60

WEST WASHINGTON MARKET SECTION.

Under Unanimous Resolution of the Board, July 9, 1891.

Bulkhead-wall Proper.

MASONRY.

Coping.

May 1 to May 13, 1893.—10 pieces of coping were set on bulkhead-wall.

Backing-logs and Drilling Bolt-holes.

May 1 to May 20, 1893.—Backing-logs were placed and fastened on bulkhead-wall, and holes drilled for same.

Pointing.

May 1 to July 31, 1893.—Joints of granite set in bulkhead-wall were pointed.

Recapitulation of Work Done and to be Done on Bulkhead-wall, West Washington Market Section.

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	575.00	.....
Stone filling—Cobble.....	.....	575.00	.....
“ Rip-rap .....	.....	575.00	.....
Piling and woodwork—Vertical piles.....	.....	575.00	.....
“ Bracing piles.....	.....	575.00	.....
“ Binding frames .....	.....	575.00	.....
“ Sawing piles.....	.....	575.00	.....
“ Longitudinal capping.....	.....	575.00	.....
“ Transverse capping.....	.....	575.00	.....
“ Cap decking .....	.....	569.00	6.00
Masonry—Base blocks... ..	.....	575.00	.....
“ Chain-holes.....	.....	575.00	.....
“ “ A B ” course granite.....	.....	575.00	.....
“ “ C ” course granite.....	.....	573.60	1.40
“ “ D ” course granite .....	.....	571.40	3.60
“ “ E ” course granite.....	.....	567.60	7.40
“ Concrete backing.....	.....	567.60	7.40
“ Coping.....	81.04	377.48	12.52
“ Backing-log and bolt-holes.....	81.04	377.48	12.52
“ Pointing.....	81.04	377.48	12.52
Earth filling.....	.....	525.00	50.00
Wall actually completed.....	81.04	562.48	12.52
Equivalent length of completed wall.....	5.71	572.97	2.03

General Work.

EARTH FILLING.

May 6 to May 13, 1893.—75 cart loads of earth filling were received from Brown & Fleming, on tickets marked “ H,” and placed in rear of bulkhead-wall, making a total of 24,946 cart and 3 truck loads with tickets, and 657 cart loads on a scow, without tickets, received up to date from Brown & Fleming.

REMOVING OLD WORK.

March 26 to March 28, 1894.—Old fender piles were removed at the south end of section.

## Construction under "New Plan."

## REMOVING ENGINEER'S OFFICE FOOT OF FULTON STREET, N. R.

June 10 to June 17, 1893.—This office was moved to a new position in order to pave area under Contract No. 447.

April 14, 1894.—The Engineer's office was removed from Canal Street Section to near foot of Dey street, West Washington Market Section.

*Pier, old 20, N. R.*

## REMOVING SHEDS, PLATFORMS, ETC.

Under Secretary's Order No. 11636.

May 1, 1893, to April 30, 1894.—This work, commenced February 8, 1892, by Department labor, consisting in the removal of all sheds, platforms, etc., is now suspended, being very nearly finished.

*Pier, new 14, N. R.*

## WIDENING PIER.

Under Unanimous Resolution of the Board April 28, 1893.

May 1 to September 18, 1894.—The work of widening Pier, new 14, N. R., was commenced April 30, 1892, and finished September 18, 1893, and consisted in widening the pier by the addition of 50 feet in width to the southerly side, as it formerly existed, making the pier at present 125 feet in width, covering an area of 35,951 square feet of land under water. The Pier was commenced to be used by the lessees, The International Navigation Company, for commercial purposes, December 30, 1893.

*Removing Rock North of Outshore, South of Outshore, and South of Inshore.*

August 1, 1892, to January 31, 1894.—This work, commenced August 1, 1892, and finished January 31, 1894, consisted in the removal of rock to the grade of 35 feet below mean low water. The number of cubic yards removed is as follows :

## REEF SOUTH OF OUTSHORE.

Removed by E. R. Lowe, under Treasurer's Order No.

16208 :

By means of Dredge "Hussar," about.....	116 cubic yards.
By means of divers, about .....	85 "

Total removed by E. R. Lowe .....	201 cubic yards.
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Removed by Department of Docks, under Treasurer's  
Orders Nos. 16826, 16865, 16890, 16923, and 16971 :

By means of Morris & Cumings' dredge .....	727 cubic yards.
By means of divers and tub .....	70 "

Total removed by Department, about .....	797 "
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## REEF NORTH OF OUTSHORE.

Removed by means of dredges .....	1,285 cubic yards.
Removed by means of divers and tub .....	97 "

Total removed by Department, about .....	1,382 "
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## Construction under "New Plan."

## REEF SOUTH OF INSHORE.

Removed by means of dredge .....	2,677 cubic yards.
Removed by means of divers and tub .....	86 "

Total removed by Department, about .....	2,763 cubic yards.
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	<u>4,942 cubic yards.</u>
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## SUMMARY.

Removed by E. R. Lowe.....	201 cubic yards loose rock.
Removed by Department.....	<u>4,942</u> " "

Total, about .....	<u>5,143 cubic yards loose rock.</u>
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This rock was removed so that soundings taken in 2½ feet squares show a grade below mean low water of more than 34.6 feet, and the two outshore areas were swept with an iron beam carried at a grade of 34.5 feet below mean low water, except close to the sides of the pier, where the rock was sloped.

From the elevations taken after excavation the amount of rock removed is calculated to be 2,000 cubic yards measured in place.

*Removing Blacksmith's Shop.*

October 2 to October 23, 1893.—Blacksmith's shop was removed to near foot of Dey street, and roof was repaired.

*Engineer's Office, Foot of Fulton Street.*

October 2 to October 23, 1893.—This office was removed to near foot of Dey street.

*Pier, new 15, N. R.*

Under Unanimous Resolution of the Board, July 9, 1891.

## REPAIRING PLANK APPROACH.

October 5, 1893.—The plank approach to this pier was repaired.

*Dredging Half Slip South of Pier, new 15, N. R.*

Under Unanimous Resolution of the Board, April 13, 1893.

May 24 to June 14, 1893.—W. H. Beard & Co., contractors (dredge "Champion"), dredged half slip south of Pier, new 15, North river, making a depth of 35 feet at mean low water, under Contract No. 443.

*Clearing New-made Land Preparatory to Paving Under Contract No. 447.*

Under Unanimous Resolution of the Board, May 12, 1892.

Wooden stakes were made for surveyors, blacksmith's shop was moved, and scow "D" loaded with paving stones, preparatory to paving under Contract No. 447.

## WARREN STREET SECTION.

Under Unanimous Resolution of the Board, May 25, 1893.

*Bulkhead-wall Proper.*

## DREDGING.

January 13 to March 3, 1894.—Morris & Cumings, contractors, dredged mud, cribwork, and pulled piles from bulkhead-wall area under Treasurer's Orders Nos. 17475, 17548, 17549 and 17596.

Construction under " New Plan."

STONE FILLING.

Cobble.

February 19 to March 24, 1894.—Cobble was discharged for pile foundation by Brown & Fleming, under Treasurer's Orders Nos. 17227 and 17622.

Rip-rap.

February 24 to April 7, 1894.—Rip-rap was discharged for wall foundation by Brown & Fleming, under Treasurer's Orders Nos. 17582 and 17697.

PILING AND WOODWORK.

Test Piles.

January 20, 1894.—1 test pile was driven.

Vertical Piles.

February 10 to April 30, 1894.—458 vertical piles were driven, regulated and stay-lathed.

Bracing Piles.

April 1 to April 30, 1894.—51 bracing piles were driven and regulated.

Binding Frames.

March 17 to April 21, 1894.—6 binding frames were made and sunk to place.

Sawing Off Piles.

April 21 to April 28, 1894.—86 piles were sawed off to grade, catamaran was made, and pile butts were bunched and rafted.

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Warren Street Section.  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	253.00	253.00	.....
Stone filling—Cobble .....	.....	.....	253.00
"    Rip-rap .....	.....	.....	253.00
Piling and woodwork—Vertical piles.....	165.55	165.55	77.45
"    Bracing piles .....	165.55	165.55	77.45
"    Binding frames .....	145.00	145.00	108.00
"    Sawing piles.....	.....	.....	253.00
"    Longitudinal capping.....	.....	.....	253.00
"    Trans-verse capping .....	.....	.....	253.00
"    Cap decking.....	.....	.....	253.00
Masonry—Base blocks.....	.....	.....	253.00
"    Chain-holes.....	.....	.....	253.00
"    " A B " course granite.....	.....	.....	253.00
"    " C " course granite .....	.....	.....	253.00
"    " D " course granite.....	.....	.....	253.00

## Construction under "New Plan."

Work.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Masonry—"E" course granite.....	.....	.....	253.00
" Concrete backing.....	.....	.....	253.00
" Coping.....	.....	.....	253.00
" Backing-log and bolt-holes.....	.....	.....	253.00
" Pointing .....	.....	.....	253.00
Earth filling.....	.....	.....	253.00
Wall actually completed .....	.....	.....	253.00
Equivalent length of completed wall.....	62.00	62.00	191.00

*General Work.*

## MOVING BLACKSMITH'S SHOP.

## Under Engineer's Order.

February 1 to February 3, 1894.—Blacksmith's shop was moved from near foot of Dey street to Pier, new 19, North river, foot of Warren street.

## REMOVING OLD WORK.

February 10 to February 17, 1894.—Fence was taken down and removed.

## REPAIRING FENCE.

February 5 to February 10, 1894.—The fence north of section was repaired.

*Pier, new 19, N. R.*

Under Unanimous Resolution of the Board, June 1, 1893.

## DREDGING.

January 22 to February 24, 1894.—Morris & Cumings, Dredges Nos. 2 and 10, dredged mud and pulled piles on site of pier and half of slip adjoining, under Treasurer's Orders Nos. 17466, 17467, 17474, 17468 and 17604.

## STONE FILLING.

October 14, 1893, to January 31, 1894.—Rip-rap was discharged for pile-foundation at outer end of pier by H. P. Sheridan and Brown & Fleming, under Treasurer's Orders Nos. 17249, 17306 and 17525. Acting Inspector in charge.

## PILE-DRIVING, STAY-LATHING, ETC.

September 25, 1893, to April 30, 1894.—680 piles were driven, regulated and stay-lathed ; also 26 spring piles (oak) ; piles were tenoned and sawed off to grade. A cluster of 10 piles was temporarily driven north of the pier to protect same from ferry-boat collisions ; also a row of piles was temporarily driven at outer end of the pier to facilitate the discharge of rip-rap.

## TIMBER WORK.

September 11, 1893, to April 30, 1894.—Cross and side caps, horizontal and "A" braces, rangers, side rangers, horizontal planking, horizontal fender chocks, fish plates, vertical and beveled

Construction under " New Plan."

chocks, horizontal sheathing, interior and extra side rangers, vertical sheathing and mooring post chocks were placed and fastened, decking was laid and fastened, and backing logs were placed and fastened.

ARMATURE PLATES.

October 4, 1893, to January 20, 1894.—9 armature plates were placed and fastened.

MOORING POSTS.

April 21 to April 28, 1894.—Mooring posts were placed and fastened.

OAK FENDERS.

November 25, 1893, to April 30, 1894.—Oak fenders were placed and fastened.

OAK FENDER PILES.

November 18, 1893, to April 14, 1894.—14 oak fender piles were placed and fastened, and oak piles inspected.

*Pier, old 29, N. R.*

REMOVAL OF.

Under Contract No. 461.

December 4, 1893, to January 16, 1894.—The work of removing Pier, old 29, North river, shed, etc., by Contractor Moses Engel, was commenced December 4, 1893, and finished January 16, 1894.

CHAMBERS STREET SECTION.

Under Unanimous Resolution of the Board, November 21, 1878.

*Bulkhead-wall Proper.*

MASONRY.

Backing-logs.

May 13 to May 20, 1893.—Backing-logs were placed and fastened.

*Recapitulation of Work Done and to be Done on the Bulkhead-wall, Chambers Street Section.*  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	651.70	.....
Stone filling—Cobble.....	.....	651.70	.....
"    Rip-rap.....	.....	651.70	.....
Piling and woodwork—Vertical piles.....	.....	651.70	.....
"    Bracing piles .....	.....	651.70	.....
Binding frames.....	.....	651.70	.....
"    Sawing piles.....	.....	651.70	.....
"    Longitudinal capping.....	.....	651.70	.....
"    Transverse capping.....	.....	651.70	.....
"    Cap decking.....	.....	651.70	.....
Masonry—Base blocks.....	.....	651.70	.....

Construction under "New Plan."

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Masonry—Chain-holes.....	.....	651.70	.....
“ “ A B” course granite.....	.....	651.70	.. . .
“ “ C” course granite.....	.....	651.70	.....
“ “ D” course granite.....	.....	651.70	.....
“ “ E” course granite.....	.....	651.70	.....
“ Concrete backing .....	.....	651.70	.....
“ Coping.....	8.00	291.70	.....
“ Backing-log and bolt-holes.....	30.00	291.70	.....
“ Pointing .....	.....	651.70	.....
Earth filling.....	.....	651.70	.....
Wall actually completed.....	.....	651.70	.....
Equivalent length of completed wall .....	1.00	651.70	.....

Pier, new 22, N. R.

Under Unanimous Resolution of the Board, April 20, 1893.

May 1 to November 21, 1893.—This pier was built out to the pier head-line of 1890, and is about 684 feet in length by 75 feet in width.

Under Secretary's Order No. 13519.

REMOVING WHITE OAK PILES.

February 17 to February 19, 1894.—This work, done by Department labor, consisted in removing 17 white oak piles from Pier, new 22, North river, stored temporarily there by permission of lessees, to Pier, new 19, North river.

DRIVING CLUSTER OF PILES.

Under Engineer's Order.

September 18 to September 23, 1893.—A cluster of piles was driven north of outer end of Pier, new 22, to protect the pier from steamship collisions.

Building Crib at Pier, new 22, N. R., for Stanton Street Section, E. R.

Under Unanimous Resolution of the Board, March 1, 1893.

September 15 to September 30, 1893.—81 piles were placed and fastened in crib built at above pier, for Stanton Street Section, to retain earth filling.

JAY STREET SECTION.

Under Unanimous Resolution of the Board, January 30, 1892.

Bulkhead-wall Proper.

MASONRY.

Granite.

June 17, 1893.—Granite was loaded on Scow "D," from bulkhead-wall, for West Fifty-seventh Street Yard.



Construction under " New Plan."

Coping.

May 1 to May 13, 1893.—6 pieces of coping were set on wall.

Backing-logs.

May 13 to May 27, 1893.—Backing-logs were placed and fastened.

Pointing Wall.

May 1 to May 13, 1893.—Joints of granite set in bulkhead-wall were pointed.

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Jay Street Section.  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	.....	216.67	.....
Stone filling—Cobble.....	.....	216.67	.....
“ Rip-rap .....	.....	216.67	.....
Piling and woodwork—Vertical piles.....	.....	216.67	.....
“ Bracing piles.....	.....	216.67	.....
“ Binding frames.....	.....	216.67	.....
“ Sawing piles.....	.....	216.67	.....
“ Longitudinal capping.....	.....	216.67	.....
“ Transverse capping.....	.....	216.67	.....
“ Cap decking.....	.....	216.67	.....
Masonry—Base blocks.....	.....	216.67	.....
“ Chain-holes.....	.....	216.67	.....
“ “ A B ” course granite.....	.....	216.67	.....
“ “ C ” course granite.....	.....	216.67	.....
“ “ D ” course granite.....	.....	216.67	.....
“ “ E ” course granite.....	.....	216.67	.....
“ Concrete backing .....	.....	216.67	.....
“ Coping....	7.00	141.67	.....
“ Backing-log and bolt-holes.....	7.00	141.67	.....
“ Pointing.....	7.00	216.67	.....
Earth filling.....	20.00	216.67	.....
Wall actually completed.....	7 00	216.67	.....
Equivalent length of completed wall .....	0.50	216.67	.....

General Work.

REMOVING TEMPORARY PLATFORM.

October 7 to October 14, 1893.—The temporary platform north side of Pier, new 21, was built.

## REMOVING FENCE.

May 1 to May 6, 1893.—The fence at the foot of Jay street dump was removed.

## EARTH FILLING.

May 1 to June 17, 1893.—3,955 cart-loads of earth filling were received from Brown & Fleming, without tickets, and placed in rear of bulkhead-wall, making a total of 21,024 cart-loads and 545 truck-loads received up to date.

*Between Duane and Franklin Streets.*

## PAVING NEW-MADE LAND.

Under Contract No. 452 and Resolution of the Board, August 3, 1893.

August 3 to December 18, 1893.—Work under this contract was commenced by Contractor F. Vinton Smith August 3 and completed December 18, 1893, and consisted in preparing for and paving new-made land between Franklin street, extended, and Duane street, extended, on the North river, with granite blocks, laying crosswalks and building the necessary drains or sewers.

Under Unanimous Resolution of the Board, August 3, 1893.

December 23, 1893, to January 6, 1894.—Joints of new laid pavement were cleaned and new laid pavement was retarred.

*Pier, new 23, N. R.*

## TEMPORARY PLANK APPROACH.

July 21, 1893.—The temporary plank approach to this pier was repaired.

## FRANKLIN STREET SECTION.

Under Unanimous Resolution of the Board, November 13, 1890.

*Bulkhead-wall Proper.*

## MASONRY.

## Coping.

May 6 to May 13, 1893.—Closure stone was set on wall.

## Backing-logs.

May 20 to May 27, 1893.—Backing-logs were placed and fastened.

*Recapitulation of Work Done and to be Done on Bulkhead-wall, Franklin Street Section.*  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	415.95	.....
Stone filling—Cobble.....	.....	415.95	.....
"    Rip-rap .....	.....	415.95	.....
Piling and woodwork—Vertical piles.....	.....	415.95	.....
"    Bracing piles .....	.....	415.95	.....
"    Binding frames.....	.....	415.95	.....
"    Sawing piles.....	.....	415.95	.....

Construction under " New Plan."

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Piling and woodwork—Longitudinal capping .....	.....	415.95	.....
“ Transverse capping.....	.....	415.95	.....
“ Cap decking.....	.....	415.95	.....
Masonry—Base blocks.....	.....	415.95	.....
“ Chain-holes.....	.....	415.95	.....
“ “ A B ” course granite.....	.....	415.95	.....
“ “ C ” course granite.....	.....	415.95	.....
“ “ D ” course granite .....	.....	415.95	.....
“ “ E ” course granite .....	.....	415.95	.....
“ Concrete backing .....	.....	415.95	.....
“ Coping.....	15.28	205.95	.....
“ Backing-log and bolt-holes.....	15.28	205.95	.....
“ Pointing .....	15.28	205.95	.....
Earth filling .....	1.00	415.95	.....
Wall actually completed .....	15.28	415.95	.....
Equivalent length of completed wall .....	1.00	415.95	.....

General Work.

EARTH FILLING.

May 13 to May 20, 1893.—87 cart-loads of earth filling were received and placed in rear of wall, without tickets, from Brown & Fleming, making a total of 43,331 cart-loads and 286 truck-loads of filling received up to date, April 30, 1894 (no filling has been done since May 20, 1893).

NORTH MOORE STREET SECTION.

Under Unanimous Resolution of the Board, April 28, 1880.

Pier, new 25, N. R.

REPAIRING PAVED APPROACH.

July 31 to August 5, 1893.—The work of repairing paved approach to this pier was commenced July 31 and finished August 5, 1893, and consisted in taking up about 70 square yards of pavement and relaying same on a concrete foundation 4 inches to 7 inches thick.

Paving New-made Land between Piers, new 25, 26 and 27, N. R.

Under Unanimous Resolution of the Board, November 29, 1893, Secretary's Orders Nos. 13714, 13715 and 13624 and Treasurer's Order No. 17699.

March 10 to April 30, 1894.—This work is being done by the Connecticut Valley Granite and Mining Company, the necessary grading being done by Department labor, and consists in paving the new-made land with granite or syenite blocks, in the vicinity of Piers, new 25, 26 and 27. laying crosswalks and building the necessary manholes and silt basins, in accordance with plans and specifications.

Construction under "New Plan."

## LAIGHT STREET SECTION.

Under Unanimous Resolution of the Board, September 20, 1889.

*Bulkhead-wall Proper.*

## MASONRY.

## Pointing Wall.

September 11 to October 2, 1893.—Joints of granite set in bulkhead-wall were pointed.

*General Work.*

## EARTH FILLING.

August 31 to September 2, 1893.—A dry wall was built at the northerly end of this section to retain earth filling, the wall being made from rock from north of outer end of Pier, new 14, North river.

November 18 to December 2, 1893.—108 cart-loads of filling-in, consisting of chips from granite blocks, etc., were placed at north end of section, where earth was washed away.

## REPAIRING FENCE.

June 23, November 11 and December 30, 1893.—The fence at this section was repaired.

*Bulkhead between Piers, new 28 and 29, N. R.*

## POINTING WALL.

Under Secretary's Order No. 13212.

September 12 to October 3, 1893.—This work, done by Department labor, consisted in pointing joints of granite set in bulkhead-wall between the above piers.

*Pier, new 29, N. R.*

## REPAIRING PLANK APPROACH.

September 18 to September 23, 1893.—The plank approach at this pier was repaired.

## REPAIRING FENCE, ETC.

June 19 to October 30, 1893.—The fence north of this pier was repaired as required ; also a temporary fence was erected.

*Paving New-made Land between Piers, new 25 and 27, N. R.*

Under Unanimous Resolution of the Board, November 29, 1893.

March 10 to April 30, 1894.—Scow "K" was loaded with excavated earth and unloaded at West Fifty-second Street Section, and planking was laid preparatory to paving. New-made land was graded, paved, tarred and graveled. Manholes were excavated for and built and bottom concreted and silt basin was set.

## CANAL STREET SECTION.

Under Unanimous Resolution of the Board, December 10, 1891.

*Bulkhead-wall Proper.*

## STONE FILLING, "A" AND "B."

May 1 to May 27, 1893.—Cobble and rip-rap were discharged by William Turner and H. P. Sheridan between caps and in rear of bulkhead-wall, under Treasurer's Orders Nos. 16326 and 16523.

## Construction under "New Plan."

## PILING AND WOODWORK.

## Transverse Capping.

May 1 to May 6, 1893.—9 feet 2 inches of transverse capping was placed and fastened with oak treenails.

## Decking (Cap).

July 1 to July 8, 1893.—75 feet 2 inches linear feet of deck planking was laid and fastened to capping in rear of the masonry with 1-inch oak treenails.

## MASONRY.

## Granite.

May 13 to September 30, 1893.—119 pieces of granite were set on wall foundation.

## Concrete Backing.

May 20 to September 23, 1893.—352 batches of concrete were mixed and placed to back up granite set.

## Coping.

October 26 to November 18, 1893, and February 3 to March 3, 1894.—10 pieces of coping were set on wall.

## Backing-logs.

October 14 to November 18, 1893, and March 10 to 17, 1894.—Backing-logs were placed and fastened ; also temporary backing-logs were placed and fastened.

## Pointing Wall.

July 15, 1893, to April 27, 1894.—Joints of granite set in bulkhead-wall were pointed.

*Recapitulation of Work Done and to be Done on the Bulkhead-wall, Canal Street Section  
(Extended).*

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	.....	100.00	.....
Stone filling—Cobble .....	12.38	92.38	6.00
"    Rip-rap.....	22.38	92.38	6.00
Piling and woodwork—Vertical piles.....	.....	92.38	6.00
"    Bracing piles.....	.....	46.00	6.00
"    Binding frames.....	.....	48.00	.....
"    Sawing piles .....	90.00	90.00	8.40
"    Longitudinal capping.....	.....	85.20	13.13
"    Transverse capping.....	6.38	81.38	17.00
"    Cap decking .....	80.20	80.20	20.00
Masonry—Base blocks.....	.....	85.30	13.10
"    Chain holes.....	73.30	73.30	85.30
"    "A B" course granite.....	84.23	121.03	24.28

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Masonry—"C" course granite.....	113.02	113.02	26.79
" " "D" course granite.....	113.82	113.82	30.59
" " "E" course granite.....	114.14	114.14	34.47
" Concrete backing.....	114.14	114.14	34.47
" Coping.....	75.03	75.03	39.27
" Backing-log and bolt-holes.....	75.03	75.03	39.27
" Pointing.....	115.04	115.04	39.27
Earth filling.....	110.04	110.04	44.27
Wall actually completed.....	115.04	115.04	39.27
Equivalent length of completed wall.....	49.50	140.00	10.00

## BUILDING SEWER.

May 1 to October 31, 1893.—27 concrete sewer blocks were set in sewer ; "I" beams, centres for sewer arches and sewer caps were placed and fastened ; "I" beams and girders were painted and set in sewers ; blue-stone was set on sewer's bottom and on top of concrete blocks.

240½ batches of concrete were mixed and deposited between "I" beams forming the roof of the sewer ; sewer decking was laid and fastened and cobble discharged between caps by William Turner, under Treasurer's Order No. 16326 ; joints of concrete blocks were grouted, mold boards were made, placed and fastened, centres for sewer arches were taken down and repaired and outlet for overflow of sewer was cleaned.

## REMOVING FENCE.

June 28 to June 29, 1893.—The fence on the north side of Canal street sewer was torn down.

*Earth Filling at Canal Street.*

Under Secretary's Order No. 12983. .

June 3 to October 17, 1893.—This work, done by Contractors Brown & Fleming, consisted in receiving 8,675 cart and 4 truck loads of earth filling, without tickets, and placing and leveling-off same in rear of bulkhead-wall at the Canal Street Section extended.

*Pier, old 42, N. R.*

June 24 to September 30, 1893.—Old timber was removed from north side of Pier, old 42, North river ; also old crib material was removed, old bulkhead was torn up and removed, and old dumping-board foot of Canal street was torn up and removed.

*Paving New-made Land Near Foot of Canal Street.*

Under Unanimous Resolution of Board, October 12, 1893.

November 14, 1893, to March 21, 1894.—This work was commenced by Thomas Gearty, Contractor, November 14, 1893, and completed March 21, 1894, and consisted in paving the new-made land between the bulkhead and the westerly side of West street, about the foot of Canal street, North river.

## Construction under "New Plan."

*Pier, new 36, N. R.*

## EXTENDING:

Under Unanimous Resolution of the Board, March 23, 1893.

May 1 to October 5, 1893.—This pier was extended out to the pierhead-line of 1890, length of extension 140 feet, and width 75 feet, covering an area of 10,565 square feet. Work was commenced April 7, 1893, and finished October 5, 1893.

## BUILDING SEWER UNDER EXTENSION.

June 5 to October 6, 1893.—The work of building sewer under extension to Pier, new 36, North river, was done.

*Pier, new 38, N. R.*

## EXTENDING.

Under Unanimous Resolution of the Board, May 11, 1893.

June 3 to October 10, 1893.—This pier was extended out to the pierhead-line of 1890, length of extension 128.6 feet, and width 75 feet, covering an area of 9,644 square feet of land under water.

## ADDITIONAL FINISH TO CORNER OF PIER.

Under Secretary's Order No. 13340.

November 15 to November 29, 1893.—This work, done by Department labor, consisted in placing and fastening four  $\frac{1}{2}$  inch by 6 inches by 24 feet wrought-iron bands on the corner of the pier outside of the fender piles, and placing chocks of white oak between the piles, so as to make a round corner. The lower bands were placed about 5 feet and the upper bands about 9 feet above mean low water.

*Pier, new 40, N. R.*

## EXTENDING.

Under Unanimous Resolution of the Board, October 6, 1892.

October 6, 1892, to May 15, 1893.—This pier was extended to the pierhead-line of 1890, a distance of 119.80 feet and a width of 75 feet.

*Pier, new 43, N. R.*

## EXTENDING.

Under Unanimous Resolution of the Board, June 22, 1893.

January 3 to April 14, 1894.—This pier was extended out to the pierhead-line of 1890, a distance of about 102 feet and a width of about 50 feet.

*Extending West Nineteenth Street Pier.*

Under Unanimous Resolution of the Board, April 20, 1894.

## PILE-DRIVING, STAY-LATHING, ETC.

April 23 to April 30, 1894.—The outer end of pier was torn up, preparatory to extension, and 33 piles were driven, regulated and stay-lathed.

*Pier, new 53, N. R.*

Under Unanimous Resolution of the Board, February 1, 1894.

## DREDGING.

February 5 to February 13, 1894.—Morris & Cumings, contractors, Dredge No. 2, dredged site of proposed Pier, new 53, North river, and one-half slip adjoining, under Treasurer's Order No. 17580.

## PILE-DRIVING, STAY-LATHING, ETC.

295 piles were driven, regulated and stay-lathed.

## TIMBER-WORK.

February 19 to April 14, 1894.—Float-stage was built, fish-plates, rangers, cross and side caps, side and interior girders were placed and fastened, and scarfs and mortises were made.

## OAK FENDERS.

April 21 to April 28, 1894.—Oak fenders were placed and fastened.

## BUILDING SEWERS.

February 12 to April 30, 1894.—52 piles were driven in sewers, and cross and side caps were placed and fastened.

*North Side of Ferry-rack, West Twenty-third Street.*

Under Secretary's Order No. 13596.

February 12 to April 30, 1894.—This work consisted in removing and replacing ferry-rack ; also in driving an additional row of piles for reinforcing the rack midway between each of the rows left for the pier, and extending the rack to the full length of Pier, new 53, now building ; the removal and replacement of rack to be done at Department cost, and the cost of strengthening and extension to be reported for collection.

## WEST TWENTY-THIRD STREET SECTION—SOUTH END.

Under Unanimous Resolution of the Board, November 5, 1880.

*Bulkhead-wall Proper.*

## STONE FILLING "A" AND "B."

May 2 to October 11, 1893.—Cobble and rip-rap were discharged on wall foundation by Brown & Fleming, H. P. Sheridan and the Bouker Contracting Company, under Treasurer's Orders Nos. 16515, 16818, 17047, 16450, 16514, 17073, 17203, 17249, 17227 and 17239.

## SOUNDING.

January 13, 1894.—Soundings were taken rear of bulkhead-wall.

## PILING AND WOODWORK.

## Vertical Piles.

May 1 to August 3, 1893.—186 vertical piles were driven, regulated and stay-lathed and a portion of the north ferry-rack at West Twenty-third street was removed to allow piles to be driven.

## Bracing Piles.

July 3 to August 9, 1893.—50 bracing piles were driven and regulated.

## Sawing off Piles.

May 9 to September 12, 1893.—Foundation, platform and bracing piles were sawed off to grade.

## Rafting Pile Butts.

May 10 to August 17, 1893.—Pile butts sawed off were rafted for removal.

## Locating Foundation Piles.

June 8 to August 26, 1893.—Foundation piles were located by means of divers and wire screens.

## Binding Frames.

May 8 to September 23, 1893.—5½ binding frames were built and sunk to place.



## Construction under "New Plan."

## Longitudinal Capping and Grillage.

May 19 to December 11, 1893.—Longitudinal capping was placed and fastened with oak treenails for 206 linear feet of wall, and grillage for 18 linear feet of wall, in place of capping, where old piles were too low.

## Transverse Capping.

May 19 to October 11, 1893.—Transverse capping was placed and fastened with oak treenails for 206 linear feet of wall.

## Decking.

September 21 to November 18, 1893.—Decking was placed and fastened on crosscaps with 1-inch treenails for 206 linear feet of wall.

## MASONRY.

## Concrete Blocks.

May 20 to October 7, 1893.—17 standard and 5 special concrete blocks were set on wall foundation, and the special blocks were lengthened with 5 batches of concrete.

## Chain-holes.

May 27 to September 12, 1893.—Chain-holes were filled with concrete in oval bottomed bags.

## Granite.

September 26, 1893, to January 6, 1894.—230 pieces of granite were set on wall foundation.

## Concrete Backing.

September 26, 1893, to January 6, 1894.—748 batches of concrete were mixed and placed to back-up granite set.

## Coping.

January 20 to April 7, 1894.—21 pieces of coping were set on wall, and crew of 10-ton derrick loaded coping at West Forty-fourth street for this section.

## Backing-logs.

October 14 to 17, 1893, and April 7 to 14, 1894.—Backing-logs were placed and fastened. Temporary backing logs were placed on old wooden bulkhead between Twenty-third and Twenty-fourth streets.

## Pointing.

November 1, 1893, to April 21, 1894.—Joints of granite set in wall were pointed.

*General Work.*

## BETWEEN PIERS, NEW 53 AND 54.

## Earth Filling.

## Under Secretary's Order No. 13098.

January 25 to April 30, 1894.—4,228 truck-loads and 1,624 cart-loads of earth filling were received and placed in rear of bulkhead-wall, from Thomas E. Crimmins, up to date, on tickets marked "O. & P." Begun January 25, 1894; in progress.

## MASONRY.

## Extra "E" Course of Granite between Piers, new 54 and 55.

November 25 to December 9, 1893.—50 pieces of granite were set on wall as extra "E" course.

## Concrete Backing.

November 25, 1893, to February 12, 1894.—93 batches of concrete were mixed and placed to back-up granite set.

## Coping.

November 25 to December 9, 1893.—11 pieces of coping were taken up and reset after the extra "E" course of granite was laid; also, earth filling was removed from back of coping and afterwards replaced.

## Backing-logs.

November 25 to December 9, 1893.—Backing-logs were removed, and after coping was reset were replaced and fastened.

*Boat Landing between West Twenty-third and Twenty-fourth Streets.*

Under Secretary's Order No. 12560.

October 9, 1893, to March 24, 1894.—This work, done by Department labor, consisted in building a boat landing, protected with a galvanized wrought-iron railing, beginning near the southerly inner end of Pier, new 54, North river, and running about 35 feet 5 inches southerly therefrom, substantially in accordance with plans.

*Between Piers, new 55 and 56, N. R.*

## BULKHEAD-WALL PROPER.

## Dredging.

September 15, 1893.—Morris & Cumings dredged mud and pulled piles and pile points from bulkhead-wall area, under Secretary's Order No. 12245 and Treasurer's Orders Nos. 17627 and 17628.

## Stone Filling "A" and "B."

June 29 to December 16, 1893.—Cobble and rip-rap were discharged on wall foundation and between caps from Brown & Fleming and H. A. Sheridan, under Treasurer's Orders Nos. 17047, 16514, 17073, 17203, 17227, 17239 and 17249, and north and south end rows of piles were planked below low water to retain cobble filling; also cobble was leveled by divers on wall foundation.

## PILING AND WOODWORK.

## Vertical Piles.

May 1 to August 4, 1894.—36 vertical piles were driven, regulated and stay-lathed.

## Bracing Piles.

May 28 to July 13, 1893.—29 bracing piles were driven and regulated.

## Sawing off Piles.

May 4 to August 4, 1893.—Foundation and platform piles were sawed off to grade.

## Rafting Pile Butts.

May 17, 1893.—Pile butts were rafted for removal.

## Locating Foundation Piles.

June 23 to August 3, 1893.—Foundation piles were located by means of divers and wire screens.

## Binding Frames.

May 5 to September 6, 1893.—2 binding frames were built and sunk to place.

## Longitudinal Capping and Grillage.

May 11 to December 2, 1893.—Longitudinal capping was placed and fastened with oak tree-nails for 117 feet of wall, and grillage for 60 linear feet of wall, in place of capping, where old piles were too low.

## Transverse Capping.

May 11 to December 2, 1893.—Transverse capping was placed and fastened with oak tree-nails for 118 linear feet of road.

## Construction under "New Plan."

## Decking.

November 25 to December 23, 1893.—Decking was placed and fastened on crosscaps with 1-inch treenails for 118 feet of wall.

## MASONRY.

## Concrete Blocks.

June 27 to September 6, 1893.—11 standard concrete blocks were set on wall foundation; also 1 closure block was set.

## PUMPING MUD.

November 25 to December 2, 1893.—Mud was pumped from between piles back of concrete blocks, on proposed site of grillage.

## CHAIN-HOLES.

July 15 to September 12, 1893.—Chain-holes were filled with concrete in oval bottomed bags.

## GRANITE.

December 2, 1893, to March 24, 1894.—210 pieces of granite were set on wall foundation.

## CONCRETE BACKING.

December 2, 1893, to March 24, 1894.—636 batches of concrete were mixed and placed to back-up granite set.

## COPING.

March 17 to April 7, 1894.—22 pieces of coping were set on wall, and crew of 12-ton Derrick No. 2, assisted by mason and stonecutter, loaded coping at West Fifty-fifth street for this section.

## BACKING-LOGS.

April 7 to April 21, 1894.—Backing-logs were placed and fastened.

## POINTING.

March 24 to April 21, 1894.—Joints of granite set in bulkhead-wall were pointed.

*Recapitulation of Work Done and to be Done on the Bulkhead-wall, West Twenty-third Street Section, South End.*

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	1,228.20	.....
Stone filling—Cobble .....	364.20	1,228.20	.....
“ Rip-rap .....	358.30	1,228.20	.....
Piling and woodwork—Vertical piles.....	76.60	1,228.20	.....
“ Bracing piles.....	76.60	1,228.20	.....
“ Binding frames.....	196.30	1,228.20	.....
“ Sawing piles .....	196.20	1,228.20	.....
“ Longitudinal capping.....	331.30	1,228.20	.....
“ Transverse capping.....	335.00	1,228.20	.....

## Construction under "New Plan."

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Piling and woodwork—Cap decking.....	430.93	1,228.20	.....
Masonry—Base blocks.....	349.96	1,228.20	.....
“ Chain-holes.....	349.96	1,228.20	.....
“ “ A B ” course granite .....	432.96	1,228.20	.....
“ “ C ” course granite.....	440.67	1,228.20	.....
“ “ D ” course granite.....	438.97	1,228.20	.....
“ “ E ” course granite.....	163.42	950.95	.....
“ Extra “ E ” course granite .....	277.56	482.77	.....
“ “ E No. 1 ” course granite.....	241.88	241.88	.....
“ Concrete backing. ....	958.41	1,228.20	.....
“ * Coping. ....	405.14	858.60	.....
“ Backing-log and bolt-holes.....	.....	828.20	400.00
“ Pointing. ....	47.64	376.00	852.20
Earth filling.....	200.00	1,286.20	242.00
Wall actually completed .....	47.64	1,376.00	852.20
Equivalent length of completed wall.....	191.93	1,206.20	22.00

\* The coping in this section is set dry, and extra courses of granite will be required to be added as the wall settles.

## EXTRA "E" COURSE.

## Granite.

February 12 to March 3, 1894.—23 pieces of granite were set on wall as extra "E" course.

## Concrete Backing.

February 24 to March 3, 1894.—46 batches of concrete were mixed and placed to back-up granite set.

## Coping.

February 12 to March 3, 1894.—Coping was taken up and afterward reset, after extra "E" course was laid; also earth filling was removed from back of coping, and afterward replaced; also backing logs removed and replaced.

## General Work.

## EARTH FILLING.

Under Secretary's Order No. 13617.

March 2 to April 30, 1894.—1,819 truck-loads and 2,127 cart-loads of earth filling were received and placed in rear of bulkhead-wall, on tickets marked "O. & W.," from Thomas Smith, contractor.

*Rebuilding Ferry-rack, West Twenty-third Street, N. R.*

August 18 to September 1, 1893.—The north ferry-rack at West Twenty-third street, taken down to allow the piles for bulkhead to be driven, was rebuilt.

## Construction under "New Plan."

*Removing Old Work between Piers, new 54 and 55, N. R.*

December 23 to December 30, 1893.—Old planking was removed from bulkhead between Piers, new 54 and 55 and old platform at West Twenty-fourth street, was removed ; also a portion of the old wooden bulkhead between Twenty-fifth and Twenty-sixth streets was partly removed to allow earth filling to be placed, and the old temporary plank approach to Pier, new 55, North river, was excavated and removed.

*Pier, new 54, N. R.*

## TEMPORARY PAVED APPROACH.

May 16 to September 23, 1893.—The temporary paved approach to Pier, new 54, North river, was repaired and raised to the grade of new pavement.

November 1 to November 11, 1894.—Temporary backing-logs were placed and fastened on the south side of the approach to the pier.

*Temporary Sewer-box at West Twenty-fourth Street.*

September 20 to October 3, 1893.—A temporary wooden sewer-box was laid and placed in position for outlet of drain at West Twenty-fourth street.

*Paving New-made Land between Piers, new 54 and 55, N. R.*

Under Unanimous Resolution of the Board, November 29, 1893.

March 10 to April 30, 1894.—An excavation was made in rear of the bulkhead-wall, preparatory to paving new-made land, which was graded for pavement ; 559 batches of concrete were mixed and placed for pavement foundation ; excavation was made for silt basin ; pipes were laid to connect silt basin with sewers and pavement was inspected ; also paving blocks were removed from approach to Pier, new 54.

Under Unanimous Resolution of the Board, May 11, 1893.

June 14 to July 27, 1893.—Earth filling was excavated for pavement and deposited in rear of line of bulkhead-wall ; curbing on easterly side of pavement was removed ; concrete 6 inches thick, about 180 feet in length and 50 feet in width was put down as foundation for pavement to be laid by Contractor John Cox, under Contract No. 451.

Under Contract No. 451.

July 27 to September 12, 1893.—Work under this contract, done by John Cox, contractor, was commenced July 27, 1893, and completed September 12, 1893, and consisted in preparing for and paving the new-made land for a width of 50 feet, extending from the southerly crosswalk of paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains, etc.

*Moving and Raising West Twenty-fourth Street Offices.*

June 13 to October 2, 1893.—Engineer's and Surveyors' offices were moved to allow pavement to be laid ; also offices were raised and earth filling placed under same.

*Between Piers new 54 and 55, N. R.*

## WOODEN DRAIN-BOX.

November 25 to December —, 1893.—A wooden drain-box was made and placed between Twenty-fourth and Twenty-fifth streets, in order to drain new-made land.

*Pier, new 55, N. R.*

## REPAIRING TEMPORARY APPROACH.

July 1 to December 2, 1893.—The plank and paved portions of this approach were repaired.

## REPAIRING APPROACH.

Under Engineer's Order.

February 17 to March 3, 1894.—The approach to this pier was repaired.

## IMPROVING APPROACHES.

Under Secretary's Order No. 13202.

September 1 to October 7, 1893.—This work, done by Department labor, consisted in the removal of an old approach to the above pier, an old sewer-box, located about in front of Pier, new 55, and about 5 feet below the surface of the new made land at that point; also the removal of an old scale-box, lying about 100 feet from the bulkhead, and just south of the southerly line of Pier, new 55, North river, produced. After the sewer and scale boxes were removed, the excavations were refilled and earth leveled off.

*Pier, new 56, N. R.*

## TEMPORARY PLANK APPROACH.

June 3, 1893.—The temporary plank approach to Pier, new 56, North river, was repaired.

## WEST TWENTY-THIRD STREET SECTION, NORTH END.

Under Unanimous Resolution of the Board, June 28, 1882.

*Bulkhead-wall Proper.*

## MASONRY.

## Granite.

## Extra "E" Course.

February 1 to March 31, 1894.—63 pieces of granite were set on wall foundation, and crew of 10-ton derrick unloaded granite at West Forty-fourth street from this section.

## Concrete Backing.

February 1 to March 17, 1894.—154 batches of concrete were mixed and placed to back-up granite set.

## Coping.

January 13 to 31, and February 1 to March 24, 1894.—Coping was taken up, and earth filling back of coping was excavated and removed; 38 pieces of coping were reset, after extra "E" course of granite was laid; excavation was then refilled and backing-logs replaced.

## Pointing.

April 1 to April 14, 1894.—Joints of granite set in bulkhead-wall were pointed.

## EXTRA "E" COURSE GRANITE.

February 1 to March 31, 1894.—117.48 feet of extra "E" course of granite was set on wall between Piers, new 58 and 59, North river.

## EXTRA "E NO. 1" COURSE GRANITE.

February 1 to March 31, 1894.—157.95 feet of extra "E No. 1" course of granite was set on extra "E" course, between Piers, new 57 and 58, North river.

## Construction under "New Plan."

*Recapitulation of Work Done and to be Done on the Bulkhead-wall, West Twenty-third Street Section, North End.*

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	615.42	.....
Stone filling—Cobble .....	.....	615.42	.....
"    Rip-rap .....	.....	615.42	.....
Piling and woodwork—Vertical piles .....	.....	615.42	.....
"    Bracing piles .....	.....	.....	.....
"    Binding frames .....	.....	615.42	.....
"    Sawing piles .....	.....	615.42	.....
"    Longitudinal capping .....	.....	615.42	.....
"    Transverse capping .....	.....	615.42	.....
"    Cap decking .....	.....	615.42	.....
Masonry—Base blocks .....	.....	615.42	.....
"    Chain-holes .....	.....	.....	.....
"    " A B " course granite .....	.....	615.42	.....
"    " C " course granite .....	.....	.....	.....
"    " D " course granite .....	.....	.....	.....
"    " E " course granite .....	.....	615.42	.....
"    Extra " E " course granite .....	117.48	262.04	.....
"    "    " E No. 1 " course granite .....	157.95	157.95	.....
"    Concrete backing .....	.....	.....	.....
"    * Coping .....	.....	432.36	.....
"    Backing-log and bolt-holes .....	.....	.....	.....
"    Pointing .....	450.00	488.06	432.36
Earth filling .....	.....	615.42	.....
Wall actually completed .....	.....	183.06	432.36
Equivalent length of completed wall .....	.....	603.90	11.52

\* The coping in this section is set dry, and extra courses of granite will be required to be added as the wall settles.

*General Work.*

## EARTH FILLING.

Under Secretary's Order No. 13321.

November 14, 1893, to March 2, 1894.—375 truck-loads and 1,574 cart-loads of earth filling were received and placed in rear of bulkhead-wall from Thomas Smith, Contractor, on tickets marked "O," for leveling. Work at present suspended.

Construction under "New Plan."

*Between Piers, new 55 and 56.*

## EARTH FILLING.

Under Secretary's Order No. 13617.

March 2 to April 30, 1894.—1,819 truck-loads and 2,127 cart-loads of earth filling were received and placed in rear of bulkhead-wall, on tickets marked "O. & N," from Thomas Smith, Contractor, making a total, altogether received up to date, of 3,946 loads ; in progress.

*Pier, new 57, N. R.*

## REPAIRING TEMPORARY APPROACH.

Under Secretary's Order No. 13399.

February 16 to February 23, 1894.—This work consisted in extending the inner end of the wooden approach to Pier, new 57, North river, at about the foot of West Twenty-seventh street, over the sunken pavement on Thirteenth avenue. This area is about 20 by 30 feet. 4-inch yellow pine was used in doing the work.

## TEMPORARY PLANK APPROACH.

September 9 to November 3, 1893.—The temporary plank approach to Pier, new 57, North river, was raised and repaired.

## RAISING INNER END OF PIER.

April 14 to April 30, 1894.—The inner end of above pier was raised.

*Earth Filling between West Twenty-seventh and Thirtieth Streets, N. R.*

Under Secretary's Order No. 13321.

November 14, 1893, to April 30, 1894.—This work, being done by Thomas Smith, contractor, consists in "filling-in" between the above points ; 375 truck-loads and 1,574 cart-loads of earth filling were received to date.

*Pier, new 58, N. R.*

April 14 to April 30, 1894.—The inner end of this pier was raised.

*Pier, new 59, N. R.*

April 14 to April 30, 1894.—The inner end of this pier was raised.

## APPROACH.

December 2 to December 9, 1893.—The wooden approach to this pier was graded and planked.

*Temporary Paved Approach to Piers, new 59 and 60, N. R.*

May 24 to June 3, 1893.—The bulkhead approach between Piers, new 59 and 60, was repaired.

*Paving a Strip on Bulkhead between Twenty-ninth and Thirtieth Streets, N. R.*

Under Secretary's Order No. 13304.

November 17 to November 29, 1893.—This work, done by Thomas Smith under Treasurer's Order No. 17382, has been supervised, and consisted in the paving of a strip about 30 feet in width, between Twenty-ninth and Thirtieth streets, North river. The paved strip comprised about 626.40 square yards of second-hand Belgian blocks, and is adjacent to and in the rear of the old paved approach, about 15 feet wide along the bulkhead between the above streets.



## Construction under "New Plan."

*Pier, new 60, at West Thirtieth Street, N. R.*

## REMOVING PAVED APPROACH.

Under Secretary's Order No. 11937.

June 19, 1892, to September 26, 1893.—This work, done by Department labor, consisted in the removal of a portion of the paved approach leading to the West Thirtieth Street Pier, and also the filling-in the rear of the wall down to the deck plank of the bulkhead-wall; also the removal of the arch-stones in the bulkhead-wall where the old sewer went through the wall. The concrete backing in the rear of the sewer opening was also removed, and through the opening thus made a creosoted sewer barrel was placed and connection made with the Department of Public Works' brick sewer barrel, the earth was then refilled and the paved approach replaced.

## REPAIRING APPROACH.

November 29 to December 2, 1893.—The approach to this pier was repaired.

## REPAIRS AND ADDITION TO TEMPORARY APPROACH.

Under Secretary's Order No. 13382.

December 4 to December 22, 1883.—This work consisted in repairing the approach, by taking up and relaying about 105.59 yards of the old Belgian pavement, in order to make connection with the pavement laid by the Department of Public Works, and also making an addition to the approach, by placing about 80 additional square yards of Belgian block pavement along the south-erly side of the approach.

## WEST THIRTY-SECOND STREET SECTION.

Under Unanimous Resolution of the Board, October 22, 1885.

*Bulkhead-wall Proper.*

## MASONRY.

## Granite.

October 12 to October 24, 1893.—Joints of granite set in bulkhead-wall were pointed.

*Between Thirty-third and Thirty-fourth Streets, Twelfth Avenue, N. R.*

## EARTH FILLING.

Under Secretary's Order No. 12884.

May 22, 1893.—This work, done by Contractors Plunkett & Smith, has been supervised, and consisted in the placing of 7 loads of earth filling between Thirty-third and Thirty-fourth streets, on the line of Twelfth avenue, when the work was stopped by Engineer-in-Chief's order.

## WEST FORTY-THIRD STREET SECTION.

Under Unanimous Resolution of the Board, September 3, 1891.

*Bulkhead-wall Proper.*

## STONE FILLING.

## Rip-rap.

May 3 to June 15, 1893.—Rip-rap was discharged on wall foundation by Brown & Fleming and H. P. Sheridan, under Treasurer's Orders Nos. 16515 and 17818.

## PILING AND WOODWORK.

## Transverse Capping.

May 11 to May 16, 1893.—Keys were made and placed on top of transverse caps.

## MASONRY.

## Granite.

May 1 to July 31, 1893.—184 pieces of granite were set on wall foundation.

## Concrete Backing.

May 1 to July 31, 1893.—547½ batches of concrete were mixed and placed to back-up granite set.

## Coping.

June 17 to November 11, 1893.—21 pieces of coping were set on wall, and 11 pieces were taken up and reset.

## Backing-logs.

June 24 to June 30, 1893.—Backing-logs were placed on coping between West Forty-third and Forty-fourth streets.

## Pointing Wall.

May 1 to August 12, 1893, and April 7 to 21, 1894.—Joints of granite set in bulkhead-wall were pointed.

*Recapitulation of Work Done and to be Done on the Bulkhead-wall West Forty-third Street Section.*

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	260.83	.....
Stone filling—Cobble.....	.....	225.00	35.88
"    Rip-rap .....	.....	212.00	48.83
Piling and woodwork—Vertical piles.....	.....	253.80	7.03
"    Bracing piles.....	.....	253.80	7.03
"    Binding frames.....	.....	251.70	9.13
"    Sawing piles.....	.....	253.80	7.03
"    Longitudinal capping.....	.....	253.55	7.28
"    Transverse capping.....	.....	250.68	10.15
"    Cap decking.....	126.48	230.71	30.12
Masonry—Base blocks.....	.....	253.55	7.28
"    Chain-holes.....	.....	253.55	7.28
"    " A B " course granite.....	155.31	237.90	22.93
"    " C " course granite.....	175.21	236.84	23.99
"    " D " course granite.....	177.17	235.03	25.80
"    " E " course granite.....	185.53	230.87	29.96
"    Concrete backing.....	185.53	230.87	29.96
"    Coping.....	166.70	166.70	34.13
"    Backing-log and bolt-holes.....	166.70	166.70	34.13
"    Pointing .....	181.36	226.70	34.13
Earth filling.....	150.83	210.83	50.00
Wall actually completed.....	181.36	226.70	34.13
Equivalent length of completed wall.....	38.93	243.62	17.20

## Construction under "New Plan."

*General Work.*

## EARTH FILLING.

Under Secretary's Order No. 12920.

June 7, 1893, to January 5, 1894.—This work, done by Thomas Smith, contractor, has been superintended, and consisted in placing 7,343 cart-loads and 1,930 truck-loads of earth filling in rear of bulkhead-wall at the above point, making a total of 9,273 loads received up to date under above Secretary's Order on tickets.

Under Secretary's Order No. 13481.

January 6 to April 11, 1894.—1,001 truck and 2,474 cart loads of earth filling were received and placed in rear of bulkhead-wall on tickets marked "O," "L" and "M" from Thomas Smith, contractor.

## WEST FORTY-FOURTH STREET.

May 17 to July 18, 1893.—The inner end of West Forty-fourth street pier, taken down to allow bulkhead-wall to be constructed, was rebuilt; also the temporary plank approach to pier was rebuilt.

October 3 to October 7, 1893.—The approach to pier was repaired.

## BUILDING TEMPORARY SEWER-BOX.

May 2 to June 6, 1893.—Earth filling was excavated, and temporary sewer-box at West Forty-fourth street was built.

## REMOVING OLD WORK.

July 22 to September 3, 1893.—A portion of the old crib-bulkhead at West Forty-fourth street was removed.

## WEST FIFTY-SECOND STREET SECTION, NORTH END.

Under Unanimous Resolution of the Board, February 6, 1889.

*Bulkhead-wall Proper.*

## DREDGING MUD.

May 1, 1893, to March 12, 1894.—Mud and stone was excavated and removed from bulkhead-wall area, under Treasurer's Orders, by Morris & Cumings, contractors.

## STONE FILLING "B."

August 2, 1893, to April 21, 1894.—Rip-rap was discharged by Brown & Fleming and H. R. Sheridan, in rear of wall, under Treasurer's Orders.

## CLEANING ROCK BOTTOM.

## MASONRY.

## Pumping Mud.

May 8, 1893, to April 30, 1894.—Crews of 12-ton Derricks Nos. 1, 2 and 3, operated with suction pump, pumped mud from wall foundation and a crib dam was launched and sunk to prevent mud from filling-in over dredged area.

## TUBBING.

November 1, 1893, to April 21, 1894.—Crew of 12-ton Derrick No. 3, assisted by divers, tubbed stone from rock bottom.

## Concrete in Bags.

May 29, 1893, to April 30, 1894.—1,414 batches of concrete were mixed and deposited on rock foundation; also gravel was loaded on Scow "D" for this section, and crew of 12-ton Derrick No. 3 assisted surveyors leveling bars on foundation.

Concrete in Mass.

June 16, 1893, to February 10, 1894.—183 batches of concrete were mixed and spread by divers on top of concrete in bags, to level up foundation for concrete blocks ; also gravel-bin was built on West Fifty-fourth Street Pier to hold gravel for concrete foundation.

Concrete Blocks.

June 19, 1893, to February 17, 1894.—68 special and standard concrete blocks were set on wall foundation ; also divers cleared foundation and assisted surveyors in taking levels for concrete blocks.

Chain-holes.

June 19, 1893, to February 24, 1894.—Chain-holes were filled with concrete in oval-bottomed bags.

Granite.

June 30, 1893, to January 31, 1894.—242 pieces of granite were set on wall foundation ; a granite block about 2 feet square was cut and fitted in opening left in " A B " course for drain south of West Fifty-fifth street, North river.

Concrete Backing.

June 30, 1893, to January 31, 1894.—335 batches of concrete were mixed and placed to back-up granite set.

Coping.

June 28, 1893, to March 31, 1894.—30 pieces of coping were set on wall.

Backing-logs and Drilling Bolt-holes.

September 7, 1893, to April 7, 1894.—Holes were drilled in coping for backing-logs, and backing-logs were placed and fastened.

Pointing.

March 3 to March 24, 1894.—Joints of granite set in bulkhead-wall were pointed.

Recapitulation of Work Done and to be Done on the Bulkhead-wall at West Fifty-second Street Section, North End.

Work.	Completed Work.		Work to be Completed.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging. ....	239.00	779.00	264.30
Stone filling—Rip-rap.....	258.00	480.00	563.30
Masonry—Cleaning rock—			
1. Pumping.....	285.00	633.00	410.30
2. Tubbing .....			
“ Concrete in bags.....	302.40	632.00	411.30
“ Concrete in mass.....	302.20	631.00	412.30
“ Concrete in blocks .....	197.18	518.00	525.30
“ Chain-holes .....	197.18	518.00	525.3
“ Granite, " A B " course.....	276.30	534.00	509.38

Construction under "New Plan."

Work.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Massive - Granite, "C" course.....	261.60	536.00	507.30
" " "D" course .....	210.60	481.00	562.30
" " "E" course.....	220.60	479.00	564.30
" Concrete backing .....	280.60	479.00	564.30
" Coping.....	321.00	321.00	482.30
" Backing-logs and bolt-holes .....	321.00	321.00	482.30
" Pointing.....	381.00	479.00	543.30
Rough filling .....	150.00	200.00	843.30
Wall actually completed.....	381.00	479.00	543.30
Equivalent length of wall.....	275.72	610.14	433.30

General Work.

EARTH FILLING.

Under Secretary's Order No. 12300.

December 12, 1893, to April 30, 1894.—32,274 loads of earth filling were received and placed on rear of bulkhead-wall, from Thomas Smith, contractor, up to date, on tickets marked "A. N. P."

Pier at West Fifty-fourth Street, N. R.

Under Unanimous Resolution of the Board, October 19, 1893.

November 3, 1893, to April 18, 1894.—This pier, about 500 feet long by 60 feet in width, built by Department labor.

TEST PILES.

Under Secretary's Order No. 13116.

September 20 to October 3, 1893.—Test piles were driven over the site of proposed pier foot at West Fifty-fourth street to ascertain the nature of river bottom.

DREDGING.

November 13, 1893.—Morris & Cumings dredged mud at Pier, under Treasurer's Order No. 17485.

DREDGING FROM HALF-SLIPS.

March 12 to March 24, 1894.—Morris & Cumings, contractors, dredged mud from half-slips adjoining pier foot of West Fifty-fourth street, North river, under Treasurer's Order No. 17658.

Gravel Pavement between West Fifty-fourth and Fifty-sixth Streets Piers.

Under Secretary's Order No. 13653.

April 13, 1894.—Coping and oak piles were removed from bulkhead preparatory to and 2,326 square yards of new made land was graded and paved under No. 17706, the curbing being done by Department labor.

Construction under "New Plan."

*Pier at West Fifty-fifth Street, N. R.*

## REMOVING OLD WORK.

September 5 to November 11, 1893.—Old cribwork, plank approach, etc., at West Fifty-fifth street, were removed, and also old platform at foot of West Fifty-third street.

## SEWER OPENING.

July 13 to July 27, 1893.—An opening was cut for sewer through sea-wall at West Fifty-fifth street, North river.

*Approach to Piers at West Fifty-fifth and Fifty-sixth Streets.*

July 7 to July 18, 1893.—Platform approach from Fifty-sixth Street to Fifty-fifth Street Piers was removed, and material rafted.

*Temporary Paved Approach to West Fifty-fifth and Fifty-sixth Streets Piers.*

May 1 to May 31, 1893.—About 462 square yards of a temporary paved approach was laid by Thomas Smith, contractor, to West Fifty-fifth Street Pier, and about 412 square yards to West Fifty-sixth Street Pier, in accordance with the specifications of Contract No. 393, with the exception of the curbing and grading, which was done by Department labor.

## WEST FIFTY-SEVENTH STREET SECTION.

Under Unanimous Resolution of the Board, August 1, 1889.

*Bulkhead-wall Proper.*

## MASONRY.

## Backing-logs.

April 7 to April 8, 1893.—Broken cleat on backing-log was replaced.

## EARTH FILLING.

Under Secretary's Order No. 10590.

December 8, 1890, to June 17, 1893.—858 loads of earth filling were received from Plunkett & Smith, contractors, during the current year, making a total altogether received up to date, June 17, when work ceased, of 38,540 loads.

## EAST RIVER.

## STANTON STREET SECTION.

Under Unanimous Resolution of the Board, March 1, 1893.

*Bulkhead-wall Proper.*

## DREDGING.

October 31 to December 29, 1893.—6,029 cubic yards of mud were excavated and removed from site of bulkhead-wall, by the Morris & Cumings Dredging Company, under Treasurer's orders therefor.

## STONE FILLING.

## Cobbles.

June 3 to August 1 and September 5 to 6, 1893, and April 2 to April 30, 1894.—1,667 cubic yards of cobble stone were delivered and deposited on wall foundation between the piling, by Brown & Fleming, H. P. Sheridan and the Bouker Contracting Company, under Treasurer's

### Construction under "New Plan."

orders therefor, and same was leveled-off to grade over the concrete block area by Department divers.

#### Rip-rap.

December 2, 1893, to February 1, 1894, March 6 to 23, and April 6 to 10, 1894.—4,420 cubic yards of rip-rap stone were delivered and deposited on wall foundation in front and rear of the piling, by Brown & Fleming, Sheridan & Shea, and the Bouker Contracting Company, under Treasurer's orders therefor.

### WOODWORK.

#### Vertical Piling.

May 11, 1893, to March 26, 1894.—1,196 vertical piles were driven and 6 broken in driving ; 1,116 piles were sawed off to grade with the pile-cutting machine, and were located by means of wire screens by the Department divers.

### MASONRY.

#### Base Blocks and Mattresses.

July 18 to 25, August 21 to September 2, and November 10, 1893 ; February 23 to March 3, and April 18 to 21, 1894.—Cement, sand and broken stone were loaded on scows at the East Twenty-fourth Street Yard, for use in setting blocks and filling chain-holes. 50 concrete blocks, standard "B" type, 1 special closure and 2 angle blocks were loaded by the derrick "City of New York," on scows at the East Twenty-fourth Street Yard. Mattresses were prepared, and with assistance of divers the 53 concrete blocks were set in the wall by the derrick "City of New York."

#### Chain-holes.

July 24, 25 and 30, August 21 and November 10, 1893 ; February 28 to March 2, and April 20 to 21, 1894.—The chain-holes between the concrete blocks were filled with concrete, in bags, the Department divers assisting in the work.

#### Granite.

August 5 to October 6, and November 22 to 26, 1893, and March 20 to 24, 1894.—Cement, sand, broken stone and granite were loaded on scows at the East Twenty-fourth Street Yard, for use in building the wall and backing up the granite. 271 pieces of granite were dressed as required and set in the wall, by Pile-driver No. 7 rigged as a derrick.

#### Concrete Backing.

August 5 to October 6, and November 22 to 25, 1893, and March 20 to 24, 1894.—414 batches of concrete were made and placed to back-up the granite set.

#### Coping.

November 20 to 23, and December 29, 1893.—17 pieces of coping-stone were set on the "E" course of the bulkhead-wall by the 12-ton Derrick No. 3.

#### Backing-log and Drilling Bolt-holes.

February 12 to 18 and March 19 to 23, 1894.—The necessary holes were drilled in the coping-stone to receive the Ahlstrom bolts, and 122 linear feet of backing-log was framed and secured to the coping course of wall with Ahlstrom bolts ; also 4 galvanized-iron cleats were placed upon the backing-log for mooring purposes.

#### Pointing.

August 14 to 18, September 16 to October 5, November 27 and 28, and December 21 and 22, 1893, and March 19 to 23, 1894.—Joints in the granite were cleaned out and pointed.

Recapitulation of Work Done and to be Done on the Stanton Street Section.

PLAN OF EAST ONE HUNDRED AND SECOND STREET.

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to date.	
	Feet.	Feet.	Feet.
Dredging .....	260.00	490.00	67.21
Stone filling—Cobble.....	480.00	480.00	77.21
“ Rip-rap .....	243.00	243.00	314.21
Wood work—Piles driven .....	475.50	475.50	81.71
“ Piles cut off.....	475.50	475.50	81.71
Masonry—Base blocks.....	318.90	318.90	238.31
“ Chain-holes.....	318.90	318.90	238.31
“ “A B” course granite .....	270.95	270.95	286.26
“ “C” course granite.....	270.07	270.07	287.14
“ “D” course granite .....	268.40	268.40	388.81
“ “E” course granite.....	264.33	264.33	292.88
“ Concrete backing .....	264.00	264.00	293.21
“ Coping .....	126.38	126.38	308.19
“ Backing-log and bolt-holes .....	110.00	110.00	324.57
“ Pointing.....	264.00	264.00	293.21
Earth filling.....	125.00	125.00	432.21
Wall actually completed .....	170.00	170.00	387.21
Equivalent length of completed wall.....	318.74	333.74	223.47

N. B.—The southerly 80.21 feet of this wall will not be built until some future date, owing to the condition of the existing bulkhead at foot of Rivington street, East river.

General Charge.

OFFICE AND TOOL-HOUSE.

July 5 to July 7, 1893.—An office and tool-house were transferred from the East Twenty-fourth street Yard and located on the bulkhead between Stanton and Rivington streets for use on this section.

September 22 and September 23, 1893.—The tool-house was transferred from the bulkhead to new pier foot of Stanton street.

REMOVING OLD WORK.

August 4, 5 and 8, October 16 to November 1, 1893, and March 25 to 29, 1894.—Old work on line of wall and the inner end of Pier, old 61, East river, was removed to make way for the new bulkhead-wall to the south; also old timbers and pavement on the old bulkhead were removed to make way for the earth filling, and the old material rafted.

SEWER.

August 1 to August 5, 1893.—A rebate was cut in the back of the base blocks and backing, to receive the sewer connecting with the sewer-box under the new pier.



## Construction under "New Plan."

## TEMPORARY APPROACH.

September 26 to October 16, 1893.—A temporary approach was constructed connecting the old bulkhead with the outer portion of Pier, old 61, prior to removing the inner end, to proceed with the bulkhead-wall to the south.

April 3 to April 8, 1894.—A temporary plank approach was laid on the newly-made land connecting Pier 62, East river, with the old bulkhead, and the entrance to it was paved with second-hand paving-blocks.

## TEMPORARY SEWER-BOX.

February 1 to February 4, 1894.—A temporary sewer-box was placed at the foot of Stanton street, to carry off the sewage until such time as the Department of Public Works builds the permanent sewer to connect with the sewer-box under the new pier foot of said street.

*Pier, old 61, E. R.*

February 20 to March 29, 1894.—Piles were driven, capped and planked over, to connect the old pier with the new bulkhead-wall, where inner end of old pier had been removed during the building of the new sea wall.

## FILLING IN REAR OF WALL.

October 4 to 11, and December 26, 1893, to February 6, 1894.—A crib was built up with pile tops and sunk at the north end of the section with 1,072 cubic yards of rip-rap stone to retain the filling.

Under Engineer's Order No. 13926.

February 12 to April 5, 1894.—7,621 loads of earth-filling were received and placed in rear of the new bulkhead-wall by Brown & Fleming, they having bought the privilege at auction.

*Removal of Outer Portion of Pier, old 62, E. R.*

Under Unanimous Resolution of the Board, March 16, 1893.

Under Contract No. 439.

May 23 to June 15, 1893.—6,234 cubic yards of mud, 4,108 cubic yards of cribwork, and 98 cubic yards of cribwork not filled-in with stone, were excavated and removed by the Morris & Cumings Dredging Company.

*New Pier foot of Stanton Street.*

Under Unanimous Resolution of the Board, June 29, 1893.

April 16 to December 23, 1893.—A new pier, 341.6 feet in length and 60 feet in width, with a creosoted yellow pine sewer-box underneath, was built by the force of the Department.

*General Charge.*

January 6, 1894.—The surplus material left over from the work was transferred to a scow and sent to the East Twenty-fourth Street Yard.

## EAST TWENTY-FOURTH STREET SECTION.

Under Unanimous Resolution of the Board, April 25, 1889.

*Bulkhead-wall Proper.*

## STONE FILLING.

May 10 to May 28, 1893.—1,060 cart-loads of rip-rap stone (equal to about 1,060 cubic yards) were received free of charge, and, with 50 cubic yards of granite-spalls, transferred from the East Seventeenth Street Yard, were placed in rear of the bulkhead-wall.

MASONRY.

Backing-log.

May 5, 1893.—24 linear feet of backing-log was placed and secured to the new bulkhead-wall with Ahlstrom bolts, and cleats attached to same.

Recapitulation of Work Done and to be Done on the East Twenty-fourth Street Section.

WALL OF 1876.

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	.....	340.60	.....
Stone filling—Cobble.....	.....	340.60	.....
“ Rip-rap.....	30.00	340.60	.....
Piling and woodwork—Vertical piles.....	.....	340.60	.....
“ Bracing piles.....	.....	253.10	.....
“ Binding frames.....	.....	279.00	.....
“ Sawing piles.....	.....	340.60	.....
“ Longitudinal capping.....	.....	254.07	.....
“ Transverse capping .....	.....	254.07	.....
“ Cap decking.....	.....	254.07	.....
Masonry—Base blocks.....	.....	340.60	.....
“ Chain-holes.....	.....	340.60	.....
“ “ A B ” course granite.....	.....	340.60	.....
“ “ C ” course granite.....	.....	340.60	.....
“ “ D ” course granite.....	.....	340.60	.....
“ “ E ” course granite.....	.....	340.60	.....
“ Concrete backing.....	.....	340.60	.....
“ Coping .....	.....	211.87	.....
“ Backing-log and bolt-holes.....	.....	211.87	.....
“ Pointing.....	.....	340.60	.....
Earth filling.....	30.00	340.60	.....
Wall actually completed.....	.....	340.60	.....
Equivalent length of completed wall.....	.....	340.60	.....

N B.—No cobble, longitudinal caps or decking were required at the southerly end of this section for about 28 feet, and none were required for about 56 feet at the northerly end, as the plan of East One Hundred and Second street was used.

Extension of Pier foot of East Twenty-fourth Street.

Under Unanimous Resolution of the Board, May 18, 1893.

June 30 to December 29, 1893.—An extension of about 535 feet in length and 60 feet in width of pier was built by the force of the Department.

## Construction under "New Plan."

## EAST TWENTY-FIFTH STREET SECTION.

Under Unanimous Resolution of the Board, October 27, 1892.

*Bulkhead-wall Proper.*

## DREDGING.

September 25 to October 10, 1893, and March 16 to 19, 1894.—9,079 cubic yards of mud, and mud and cribwork were excavated and removed from site of bulkhead-wall by the Morris & Cumings Dredging Company.

## STONE FILLING.

## Cobble.

May 2 and June 24 to 26, 1893, and March 13 to 15, 1894.—Mud was pumped from the cobble-stone area with a wrecking pump operated with steam from the 12-ton Derrick No. 3, assisted by divers, and 219 cubic yards of cobble-stone was delivered and deposited on wall foundation by Brown & Fleming, under Treasurer's orders therefor.

## Rip-rap.

August 10 to 18, 1893, and March 15, 1894.—415 cubic yards of rip-rap stone was delivered and deposited on wall foundation in rear of the piling by H. P. Sheridan, under Treasurer's order therefor.

## WOODWORK.

## Vertical Piling.

May 16, 1893, to April 28, 1894.—878 vertical piles were driven and sawed off to grade by the pile-cutting machine; prior to sawing them off, mud, sand and gravel were pumped out with a wrecking pump operated with steam from the 12-ton Derricks Nos. 1, 2 and 3, assisted by divers. The piles were located by means of wire screens prior to setting the concrete blocks. The pile butts from the work were ratted, towed to East One Hundred and Third street and placed on the bulkhead for auction sale.

## MASONRY.

## Base Blocks and Mattresses.

March 1 to 3, May 8 to 10 and July 3 to 7, 1893, and March 1 to 3 and April 10 to 25, 1894.—Cement, sand and broken stone were loaded on a scow at the East Twenty-fourth Street Yard, for use in setting the concrete blocks and filling chain-holes. 21 blocks were loaded on scows by the derrick "City of New York," mattresses were prepared and 21 base blocks were set in the wall by the derrick "City of New York," assisted by divers. Total blocks to date, 23.

## Chain-holes.

May 10 and June 7, 1893, and March 2, April 18 to 20, and 24 and 25, 1894.—The chain-holes between the blocks were filled with concrete in bags, with the assistance of the Department divers.

## Granite.

May 16 to 24, and July 27 to August 3, 1893, and April 19 to 30, 1894.—Granite, cement and sand were loaded on scows, and 121 pieces of granite were set in the wall by the 10-ton derrick.

## Concrete Backing.

May 20 to 24 and July 28 to August 3, 1893, and April 20 to 29, 1894.—Cement, sand and broken stone were loaded on scows at the East Twenty-fourth Street Yard, and 188 batches of concrete made and placed in rear of and to back-up the granite set.

## Coping.

August 16 to August 26, 1893.—9 pieces of coping stone were dressed to the required grade and set on the "E" course of the bulkhead-wall by the 12-ton Derrick No. 2.

Pointing.

August 8 to August 12, 1893.—Joints in the granite were cleaned out and pointed.

Backing-log and Drilling Bolt-holes.

August 24 and 25, 1893, and March 10, 1894.—Holes were drilled in the coping stone to receive the Ahlstrom bolts, where required, and 61 linear feet of backing-log framed and secured to the coping course of wall with Ahlstrom bolts, and 3 galvanized iron cleats placed upon the backing-log for mooring purposes.

Recapitulation of Work Done and to be Done on the East Twenty-fifth Street Section.

PLAN OF EAST ONE HUNDRED AND SECOND STREET.

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	187.72	276.24	... ..
Stone filling—Cobble .....	160.00	176.24	100.00
“ Rip-rap .....	60.00	60.00	216.24
Woodwork—Piles driven .....	188.74	276.24	.....
“ Piles cut off .....	197.22	276.24	.....
Masonry—Base blocks. ....	124.83	138.35	137.89
“ Chain-holes.....	124.83	138.35	137.89
“ “ A B ” course granite .....	119.27	130.54	145.70
“ “ C ” course granite. ....	116.99	125.35	150.89
“ “ D ” course granite .....	116.95	121.37	154.87
“ “ E ” course granite .....	117.18	117.28	158.96
“ Concrete backing .....	117.28	117.28	158.96
“ Coping .....	68.31	68.31	143.56
“ Backing-log and bolt-holes.....	65.00	65.00	146.87
“ Pointing. ....	76.00	76.00	200.24
Earth filling.....	50.00	50.00	226.24
Wall actually completed .....	108.02	108.02	168.22
Equivalent length of completed wall.....	157.00	188.08	88.16

General Charge.

May 1 to May 10, 1893.—A temporary approach was constructed to connect with pier foot of East Twenty-sixth street, the inner end having been removed to proceed with the building of the new bulkhead-wall.

REMOVAL OF OLD WORK.

May 5 to June 1, 1893.—Old work on line of wall was removed between East Twenty-fifth and East Twenty-sixth streets and the old material rafted.

### Construction under "New Plan."

September 11 to 16 and October 4, 1893.—A portion of an old shed on line of wall was removed and paving-blocks taken up from the foot of East Twenty-sixth street to make way for dredging.

October 2 to 5 and October 11, 1893.—16 second-hand piles were driven and sheathed up and rip-rap stone deposited in rear of them, to prevent the embankment from being washed away after dredging, and filling the area dredged for the bulkhead-wall.

### SEWER-BOX.

May 15, 1893.—The inner section of sewer-box under East Twenty-sixth Street Pier having fallen in was removed and repaired.

### FILLING IN REAR OF WALL.

Under Secretary's Order No. 12762.

May 1 to May 20, 1893.—617 loads of earth-filling were received and placed in rear of the new bulkhead-wall from Thomas Smith, which completes the order (1,000 loads received under it).

Under Secretary's Order No. 12901.

August 15 to October 21, 1893.—1,659 loads of earth filling were received and placed in rear of the new bulkhead-wall from Thomas Smith. Total loads received at the section, 2,659 (Secretary's Order No. 12762, 1,000 loads, and Secretary's Order No. 12901, 1,659 loads).

### *Pier foot of East Twenty-fifth Street.*

Under Unanimous Resolution of the Board, September 22, 1892.

### BUILDING NEW PIER.

#### Dredging.

October 16 to October 20, 1893.—3,660 cubic yards of mud were excavated and removed from half slips adjoining the new pier by the Morris & Cumings Dredging Company.

#### Pile-driving and Stay-lathing, etc.

May 2 to May 11, 1893.—157 vertical piles were driven, regulated, stay-lathed, sawed off to grade and tenoned to receive the rangers and cross caps.

#### Timber Work.

May 21 to June 21, 1893.—Caps, rangers, horizontal and "A" braces and backing-logs prepared and placed, vertical sheathing placed at the outer end, and deck plank laid and sheathed over with 4-inch spruce plank.

August 16 and October 15 to 19, 1893.—Horizontal and "A" braces were fastened to place at low water mark.

November 23 to December 5, 1893.—Screw-bolts were placed in the work at low water mark, as called for.

#### Armature Plates.

May 1 to May 24, 1893.—Piles were trimmed and the armature plates placed on the outer double rows of piles.

#### Oak Fenders.

May 1 to June 9, 1893.—Oak fenders were prepared and placed on sides of pier at the inner end of pier.

#### Cleats.

July 11 to July 13, 1893.—Cast-iron cleats were placed on the backing-logs for mooring purposes.

## Oak Fender Piles.

December 27, 1893, to January 12, 1894.—61 oak fender piles were driven, chocked and fastened about the pier, and the work of building the pier completed. The pier is 717.53 feet long on the north side, 694.23 feet on the south side and 60 feet wide. Begun October 4, 1892, and finished January 12, 1894.

## BELLEVUE SECTION.

Under Unanimous Resolution of the Board, April 25, 1889.

## WOODWORK.

## Vertical Piling.

October 19 to November 1, 1893.—39 vertical piles were driven, regulated and stay-lathed.

December 1, 1893 to January 27, 1894.—Rip-rap was removed; mud was pumped from among the piles with a wrecking pump operated with steam from the 12-ton Derricks Nos. 2 and 3; 39 foundation piles for the concrete blocks were sawed off with the pile-cutting machine, and 17 by divers, and the piles located by means of wire screens, by the Department divers, to prepare for the concrete blocks.

## MASONRY.

## Base Blocks and Mattresses.

January 29 to February 2, 1894.—3 concrete blocks were loaded on a scow at the East Twenty-fourth Street Yard by the derrick "City of New York." Mattresses were prepared and 3 concrete base blocks were set in the wall by the derrick "City of New York," assisted by divers. Total blocks set 48.

## Chain-holes.

March 2, 1894.—The chain-holes between the blocks were filled with concrete in bags, with assistance of Department divers.

## Granite.

April 20 to April 25, 1894.—Cement, sand and granite were loaded on scows at the East Twenty-fourth Street Yard, for use in building the wall, and 25 pieces of granite were set in the wall by the 10-ton derrick.

## Concrete Backing.

April 21 to April 26, 1894.—Cement, sand and broken-stone were loaded on scows at the East Twenty-fourth Street Yard, and 35 batches of concrete were made and placed to back-up the granite set. Total batches in place 1,637½.

*Recapitulation of Work Done and to be Done on the Bellevue Section.*

## PLAN OF EAST ONE HUNDRED AND SECOND STREET.

## In Linear Feet of Wall.

WORK.	COMPIRED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	18.81	543.81	.....
Stone filling—Cobble .....	.....	525.00	.....
“ Rip-rap.....	.....	534.00	9.81
Woodwork—Piles driven .....	21.39	543.81	.....
“ Piles cut off.....	21.39	543.81	.....

Construction under "New Plan."

Work.	Completed Work.		Work to be Completed.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Masonry—Base blocks.....	21.39	543.81	.....
“ Chain-holes.....	21.39	543.81	.....
“ “ A B ” course granite.....	21.39	543.81	.....
“ “ C ” course granite.....	21.39	543.81	.....
“ “ D ” course granite .....	21.39	543.81	.....
“ “ E ” course granite .....	21.39	543.81	.....
“ Concrete backing.....	21.39	543.81	.....
“ Coping.....	.....	459.08	21.39
“ Backing-log and bolt-holes .....	.....	459.08	21.39
“ Pointing.....	.....	522.42	21.39
Earth filling.....	.....	520.00	23.81
Wall actually completed .....	.....	522.42	21.39
Equivalent length of completed wall.....	14.17	536.59	7.22

N. B.—The northerly 522.42 feet of this wall was completed in 1891, under plan of 1876. The work done during the year ending April 30, 1894, was on the 21.39 feet at the southerly end of the section, which is under plan of East One Hundred and Second street.

*Pier foot of East Twenty-ninth Street.*

Under Unanimous Resolution of the Board, November 2, 1893.

BUILDING NEW PIER.

A new pier, 426.3 feet in length on the north side and 418.60 feet on the south side, and 60 feet in width, was built by the force of this Department. Begun November 8, 1893, and completed April 2, 1894, except some dredging in the adjoining slips.

TEMPORARY APPROACH.

November 22, 1893, to March 30, 1894.—A Temporary approach was built to connect the new pier with the old bulkhead, about 50 feet inside of the established bulkhead-line, and the entrance to it paved with second-hand paving blocks.

TEMPORARY FENCE.

November 21, 1893.—A temporary fence was put up at the foot of East Twenty-ninth street to prevent trespassing upon the work.

BUILDING NEW PIER FOOT OF EAST SIXTIETH STREET.

Under Unanimous Resolution of the Board, February 8, 1894.

Stone Filling.

April 21 to May 1, 1894.—1,008 cubic yards of rip-rap stone was delivered and deposited over site of pier, as directed, by H. P. Sheridan and the Bouker Contracting Company.

Construction under "New Plan."

EAST NINETY-FIRST STREET SECTION.

Under Unanimous Resolution of the Board, May 25, 1893.

TEST PILES AND BORINGS.

June 6 to 14, and November 13 to 17, 1893.—Borings were taken over site of bulkhead-wall, with the borer "Woodcock," to ascertain the nature of river bottom.

September 9, 1893.—Test piles were driven over wall area to ascertain the nature of river bottom.

DREDGING.

October 13 to December 16, 1893.—4,763 cubic yards of mud, 3,575 cubic yards of rip-rap, 5,949 cubic yards of sand, 1,967 cubic yards of hard sand, 1,616 cubic yards of crib-work, 21 piles and 1 sunken wreck were excavated and removed by Messrs. Babcock, Levy & Co., under Treasurer's orders therefor.

MASONRY.

*Cleaning Rock Bottom.*

Pumping.

January 8 to May 1, 1894.—Mud, sand and gravel were pumped from rock bottom on line of wall with a wrecking pump operated with steam from the 12-ton Derrick No. 2, assisted by divers, to prepare it to receive the concrete in bags.

Tubbing.

February 1 to May 1, 1894.—Loose stone and rip-rap from rock bottom on line of wall, were placed in tubs by divers, and hoisted by the 12-ton Derrick No. 2, to prepare the bottom to receive the concrete in bags.

Concrete in Bags.

March 3 to April 18, 1894.—209 batches of concrete were made, placed in bags and lowered to divers to place on rock bottom to build up a foundation for the concrete blocks.

Concrete in Mass.

March 12 and 13, and April 17, 1894.—Twenty-five batches of concrete in mass were made, and with aid of divers placed on top of the concrete in bags to level up the foundation for the concrete blocks. Lines and levels were given at various times to guide the divers in their work under water.

Concrete Blocks.

April 11 to 14, and April 21 to 25, 1894.—Eight special concrete blocks were loaded on scows at the East Twenty-fourth Street Yard and set in the wall by the derrick "City of New York."

*Recapitulation of Work Done and to be Done on the East Ninety-first Street Section, South End.*

PLAN OF WEST FIFTY-SECOND STREET.

In Linear Feet of Wall.

Work.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	125.00	125.00	250.88
Stone filling—Rip-rap.....	.....	.....	375.88
Masonry—Cleaning rock bottom.....	68.00	68.00	11.10



Construction under "New Plan."

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Masonry—Concrete in bags.....	38.00	38.00	41.20
“ Concrete in mass.....	36.90	36.90	42.20
“ Sub. base blocks.....	.....	.....	18.20
“ Sub. blocks.....	36.40	36.40	42.70
“ Base blocks.....	12.05	12.05	67.05
“ Chain-holes.....	12.05	12.05	67.05
“ “A B” course granite.....	.....	.....	375.88
“ “C” course granite.....	.....	.....	375.88
“ “D” course granite.....	.....	.....	375.88
“ “E” course granite.....	.....	.....	375.88
“ Concrete backing.....	.....	.....	375.88
“ Coping.....	.....	.....	235.54
“ Backing-log and bolt-holes.....	.....	.....	235.54
“ Pointing.....	.....	.....	375.88
Earth filling.....	.....	.....	375.88
Wall actually completed.....	.....	.....	375.88
Equivalent length of completed wall.....	53.42	53.42	322.47

N. B.—The northerly 296.78 feet of wall at this section will be built under the plan of 1876, work on which has not yet been commenced.

General Charges.

SECTION OFFICE.

December 12, 1893.—An office built at the West Fifty-seventh Street Yard was transferred from a scow and placed on the bulkhead for use at this section.

Pier at foot of East Ninety-first Street.

Under Unanimous Resolution of the Board May 25, 1893.

BUILDING NEW PIER.

Stone Filling.

February 21 to April 20, 1894.—11,363 cubic yards of rip-rap stone were delivered and deposited over site of pier by H. P. Sheridan, Brown & Fleming, and the Bouker Contracting Company.

Pile-driving, Stay-lathing, etc.

March 28 to April 30, 1894.—270 vertical piles were driven, regulated, stay-lathed, sawed off to grade, and tenoned to receive the rangers and cross caps.

Timber Work.

April 7 to May 1, 1894.—Timber was hoisted from the river, cross caps and rangers framed and placed, horizontal and “A” braces made and placed, and deck plank laid.

## Mooring Posts.

April 23 to April 28, 1894.—Foundations were prepared for, and the mooring posts are being placed.

## EAST NINETY-FOURTH STREET SECTION.

Under Unanimous Resolution of the Board, April 25, 1889.

*Recapitulation of Work Done and to be Done on the East Ninety-fourth Street Section.*

WALL OF 1876.

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	373.07	.....
Stone filling—Cobble .....	.....	294.52	.....
"    Rip-rap.....	.....	373.07	.....
Masonry—Cleaning rock bottom.....	.....	77.52	.....
"    Concrete in bags.....	.....	77.52	.....
"    Concrete in mass.....	.....	77.52	.....
Piling and woodwork—Piles driven .....	.....	294.52	.....
"        Bracing piles.....	.....	294.52	.....
"        Binding frames.....	.....	294.52	.....
"        Sawing piles .....	.....	294.52	.....
"        Longitudinal capping.....	.....	294.52	.....
"        Transverse capping.....	.....	294.52	.....
"        Cap decking.....	.....	294.52	.....
Masonry—Base blocks.....	.....	371.16	1.92
"    Chain-holes.....	.....	371.16	1.92
"    " A B " course granite.....	.....	369.52	3.56
"    " C " course granite .....	.....	368.93	4.15
"    " D " course granite .....	.....	368.05	5.03
"    " E " course granite.....	.....	363.17	9.91
"    Coping.....	.....	231.94	.....
"    Concrete backing .....	.....	363.17	9.91
"    Backing-log and bolt-holes.....	.....	231.94	.....
"    Pointing .....	.....	363.17	9.91
Earth filling.....	.....	363.17	9.91
Wall actually completed.....	.....	363.17	9.91
Equivalent length of completed wall.....	.....	372.58	.05

N. B.—The southerly 77.52 feet of this section was built on special plan, similar in principle to that of the plan of West Fifty-second street. The northerly end of the section is plan of 1876.

## Construction under "New Plan."

*General Charges.*

## TEMPORARY APPROACH.

July 14 to July 26, 1893.—The temporary plank approach over the filling leading to Pier foot of East Ninety-fifth street was taken up, where required, and relaid.

December 22 to December 27, 1893.—The approach was repaired with 2,400 feet, B. M., of 3-inch spruce plank where needed.

## TEMPORARY SEWER-BOX.

October 30 to November 5, 1893.—A trench was dug in the newly-made land, and a temporary drain-box placed therein, to drain off the water as it accumulates thereon.

## FILLING IN REAR OF WALL.

Under Unanimous Resolution of the Board, October 6, 1892.

May 30 to June 11, 1893.—986 loads of earth filling were received and placed in rear of the new bulkhead-wall by Thomas Smith. Total loads received to date 45,948, as follows: Under Secretary's Order No. 9324, 15,004 loads; on tickets, 13,978 loads; resolution of Board, October 6, 1892, 11,364 loads, and free, 5,602 loads.

## EAST NINETY-SIXTH STREET SECTION.

Under Unanimous Resolution of the Board, October 31, 1889.

*Bulkhead-wall Proper.*

## STONE FILLING.

May 29, 1893.—The cobble-stone between the transverse caps was leveled off to receive the decking.

## CAP DECKING.

June 1 to 6 and August 5 and 6, 1893.—804 square feet of 4-inch deck planking was placed on the transverse caps in rear of the masonry.

## MASONRY.

## Granite.

May 22 to June 22, 1893.—Cement, sand and broken-stone were loaded on scows at the East Twenty-fourth Street Yard, for use in setting and backing up the granite; 110 pieces of granite were set and backed up with 318 batches of concrete. Total batches in place, 1,281.

## Coping.

August 6 to September 3, 1893.—Six pieces of coping-stone were set on the "E" course of the bulkhead by the 12-ton Derrick No. 2.

## Pointing.

June 3 to 10, July 10 to 13 and September 9 to 11, 1893.—Joints in the granite were cleaned out and pointed.

## Backing-logs.

September 9 to 21, 1893.—Holes were drilled in the coping-stone and backing-logs framed, placed and secured to the new bulkhead-wall with Ahlstrom bolts.

Construction under "New Plan."

Recapitulation of Work Done and to be Done on the East Ninety-sixth Street Section.

WALL OF 1876.  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	.....	200.48	0.44
Stone filling—Cobble .....	.....	200.48	0.44
“ Rip-rap .....	.....	200.48	0.44
Piling and woodwork—Vertical piles.....	.....	200.48	0.44
“ Bracing piles.....	.....	200.48	0.44
“ Binding frames.....	.....	200.48	0.44
“ Sawing piles.....	.....	200.48	0.44
“ Longitudinal capping.....	.....	200.48	0.44
“ Transverse capping.....	.....	200.48	0.44
“ Cap decking.....	149.48	200.48	0.44
Masonry—Base blocks.....	.....	200.78	0.14
“ Chain-holes.....	.....	200.78	0.14
“ “A B” course granite .....	103.83	200.59	0.33
“ “C” course granite.....	103.82	200.58	0.34
“ “D” course granite.....	103.81	200.57	0.35
“ “E” course granite.....	103.81	200.57	0.35
“ Concrete backing. ....	103.81	200.57	0.35
“ Coping.....	43.81	140.57	0.35
“ Backing-log and bolt-holes .....	43.81	140.57	0.35
“ Pointing.....	100.00	200.57	0.35
Earth filling.....	.....	200.57	0.35
Wall actually completed.....	103.71	200.57	0.35
Equivalent length of completed wall.....	34.57	200.57	0.35

N. B.—This section of bulkhead-wall has been completed during the year, and is now open for the collection of wharfage.

General Charges.

REMOVING OLD WORK.

May 6 to June 8, 1893.—A portion of the old bulkhead in rear of the new bulkhead-wall was removed to make way for the earth filling.

FILLING IN REAR OF WALL.

September 30, 1893.—The close row of piles at the south end of the section was secured back to the transverse caps with galvanized wire rope, to prevent them being disturbed by the filling.

## Construction under "New Plan."

*Between East Ninety-sixth and East Ninety-seventh Streets.*

## FILLING IN REAR OF WALL.

Under Secretary's Order No. 12981.

June 29, 1893, to May 1, 1894.—29,056 loads of earth filling were received and placed in rear of the new bulkhead-wall, from McManus & Quinn, they having paid for the privilege. Total loads received to date under this order, 29,056.

*Foot of East Ninety-sixth Street.*

## TEST PILING.

Under Secretary's Order No. 13114.

September 7 to September 14, 1893.—Test piles were driven to ascertain the nature of the river bottom prior to building a new pier at the foot of said street.

## BUILDING NEW PIER.

Under Unanimous Resolution of the Board, October 19, 1893.

October 21, 1893, to March 24, 1894.—7,429 cubic yards of rip-rap stone were delivered and deposited over site of pier by H. P. Sheridan and Brown & Fleming, under Treasurer's orders therefor, and a new pier, 247 feet in length and 60 feet in width, was built by the force of this Department.

## EAST NINETY-NINTH STREET SECTION.

Under Unanimous Resolution of the Board, September 1, 1892.

*Bulkhead-wall Proper.*

## STONE FILLING.

October 6 to 13, November 3 to 7, and December 8 to 29, 1893, and January 24 to 27, March 10 to 30, and April 23 to 25, 1894.—1,756 cubic yards of cobble stone, and 1,748 cubic yards of rip-rap stone were delivered and deposited on wall foundation by John A. Bouker and Sheridan & Shea, under Treasurer's orders therefor.

## PILING AND WOODWORK.

## Vertical Piling.

May 1 to July 28, and August 21 to October 11, 1893, and January 10 and 11 and April 14, 1894.—392 vertical piles were driven, regulated and stay-lathed. Total to date, 428 driven and 8 broken in driving.

## Bracing Piles.

July 11 to 28, August 21, and October 1, 1893.—Forty-eight bracing piles were driven and regulated and 1 broken in driving.

## Binding Frames.

June 20 to July 26, and August 1 to October 16, 1893.—Binding frames were made, connected and sunk to place.

## Sawing Off Piles.

May 5, July 7 and 8, September 20 and 21, and October 11 and 12, 1893.—169 foundation and 84 platform piles were sawed off with the pile-cutting machine, and same located by means of wire screens by divers.

## Capping.

August 25 to October 17, and December 23, 1893, to January 24, and February 3 to 16, 1894.—105 linear feet of longitudinal capping and 21 transverse caps were placed, dove-tail pieces made and placed on the caps, and chock pieces made and placed underneath ends of the transverse caps resting on the concrete blocks.

## Cap Decking.

March 20 to April 25, 1894.—1,710 square feet of 4-inch deck planking was placed on the transverse caps in rear of the masonry of the bulkhead-wall.

## MASONRY.

## Base Blocks and Mattresses.

November 16 to 23, and December 28, 1893, and January 3 to 27, 1894.—Cement, sand and broken stone were loaded on scows at the East Twenty-fourth Street Yard for use in setting the concrete blocks and filling chain-holes. 9 standard, 1 special angle and 2 special concrete blocks were loaded by the derrick "City of New York" on scows. Mattresses were prepared for and 12 concrete foundation blocks were set in the wall by the derrick "City of New York," assisted by divers. Total blocks to date, 12.

February 14, 1894.—Joints in the blocks were cleaned out and calked.

## Chain-holes.

November 23, 1893, and February 14, 1894.—The chain-holes between the blocks were filled with concrete in bags, assisted by divers.

## Granite.

January 2 to 6 and 15 to 24, February 1 to 11, and April 3 to 19, 1894.—Granite was loaded on scows at East One Hundred and Third street, and dressed to the required grade for use at this section; also cement, sand and broken stone loaded on scows at the East Twenty-fourth Street Yard for use in setting and backing up the granite. 144 pieces of granite were set and backed-up with 344 batches of concrete. Total batches in place, 344.

## Coping.

April 18 to April 24, 1894.—Coping stones were loaded on a scow at the foot of East One Hundred and Seventh street for use at this section by 10-ton derrick, and 9 pieces were set on the "E" course of the bulkhead-wall.

## Pointing.

February 20 to 23, March 16 to 31, and April 12 to 21, 1894.—Joints in the granite were cleaned out and pointed.

*Recapitulation of Work Done and to be Done on the East Ninety-ninth Street Section.*

## WALL OF 1876.

## In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging.....	.....	150.00	214.42
Stone filling—Cobble.....	.....	150.00	214.42
"    Rip-rap.....	135.00	135.00	229.42
Piling and woodwork—Vertical piles.....	121.50	136.00	228.42
"    Bracing piles.....	116.00	116.00	228.42
"    Binding frames.....	118.50	118.50	225.92
"    Sawing piles.....	136.00	136.00	228.42
"    Longitudinal capping.....	116.00	116.00	228.42
"    Transverse capping.....	116.00	116.00	228.42
"    Cap decking.....	113.60	113.60	230.52
Masonry—Base blocks.....	133.30	133.30	231.12
"    Chain-holes.....	133.30	133.30	231.12

## Construction under "New Plan."

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Masonry—"A B" course granite .....	121.27	121.27	243.15
" " "C" course granite .....	121.27	121.27	243.15
" " "D" course granite .....	121.27	121.27	243.15
" " "E" course granite .....	121.27	121.27	243.15
" Concrete backing .....	121.27	121.27	243.15
" Coping .....	54.68	54.68	176.15
" Backing-log and bolt-holes .....	.....	.....	230.83
" Pointing .....	121.27	121.27	243.15
Earth filling .....	.....	.....	364.42
Wall actually completed .....	58.27	58.27	305.15
Equivalent length of completed wall .....	96.40	121.90	242.52

N. B.—The northerly 20.30 feet of this section is under plan of East One Hundred and Second street, and 12 feet of the wall at the north end has been completed under that plan.

*General Charges.*

## TOOL-HOUSE.

October 21 to November 1, 1893.—A tool-house was built at the East Twenty-fourth Street Yard and transferred to this section.

## FILLING IN REAR OF WALL.

March 5 to April 3, 1894.—A temporary approach at the foot of East One Hundredth street was constructed to dump filling from when received at this section, under Secretary's Order No. 13700, issued to William F. Cunningham as per auction sale for the privilege.

Under Secretary's Order No. 13700.

Mr. William F. Cunningham has bought the privilege of filling in this order. Nothing done to April 30, 1894.

*Foot of East One Hundredth Street.*

## TEST PILING.

Under Secretary's Order No. 13115.

August 26 to September 1, 1893.—Test piles were driven to ascertain the nature of river bottom preparatory to getting up plans and specifications for building a new pier at this point.

## BUILDING NEW PIER.

Under Unanimous Resolution of the Board, February 1, 1894.

## Dredging.

February 11 to February 13, 1894.—2,319 cubic yards of mud were excavated and removed from site of pier by the Morris & Cumings Dredging Company, under Treasurer's order therefor.

## Pile-driving, Stay-lathing, etc.

February 17 to April 19, 1894.—272 vertical piles were driven, regulated, stay-lathed, sawed off to grade and then used to receive the rangers and cross caps.

## Timber Work.

March 5, 1893, to April 30, 1894.—Timber was hoisted from the river to deck of pier ; rangers and cross caps framed and placed ; horizontal and "A" braces ; horizontal and vertical chocks placed, and deck plank laid.

## Oak Fenders.

April 4, 1894.—Oak fenders were transferred from a scow to deck of pier, and same are being prepared and placed on sides of pier.

## EAST ONE HUNDRED AND SECOND STREET SECTION.

Under Unanimous Resolution of the Board, July 17, 1890 ; Amended May 21, 1891.

*Bulkhead-wall Proper.*

## STONE FILLING.

May 1 to September 20, 1893, and January 24 to April 17, 1894.—Mud was pumped from among the piles over the cobble stone area with a wrecking pump operated with steam from the 12-ton Derricks Nos. 1 and 2, assisted by divers ; 1,955 cubic yards of cobble stone, and 2,729 cubic yards of rip-rap stone were delivered and deposited on wall foundation, by John A. Bouker and Sheridan & Shea, under Treasurer's orders theretor.

## WOODWORK.

## Vertical Piling.

June 9 to December 13, 1893.—Nineteen extra piles were driven in wall foundation for the concrete blocks, and sawed off to grade by divers ; chocks were made and binding frames chocked to place with them. Piles were regulated for and 30 linear feet of longitudinal capping and 35 transverse caps placed, chocks and dove-tail pieces made and placed on the caps, and underneath ends of the transverse caps, resting on the concrete foundation blocks ; 2,069 square feet of 4-inch deck-planking placed on the transverse caps in rear of the masonry of the bulkhead-wall, and pile butts rafted and towed to East Ninety-ninth Street Timber Basin.

## MASONRY.

## Base Blocks and Mattresses.

May 31 to June 6, 21 to 24, November 11 to 18, and December 26 to 30, 1893, and January 2 to 5, and 25, 1894.—Cement, sand and broken stone were loaded on scows at the East Twenty-fourth Street Yard, for use in setting the concrete block and filling chain-holes ; 6 standard "A," 36 standard "B" and 1 special closure ("B" type) concrete blocks were loaded on scows at the East Twenty-fourth Street Yard by the derrick "City of New York." Mattresses were prepared for and 43 concrete base blocks were set in the wall by the derrick "City of New York," assisted by divers. Total blocks set, 128.

## Chain-holes.

June 6 and 24, and November 17 and 18, 1893, and January 23 and 26, 1894.—The chain-holes between the concrete blocks were filled with concrete in bags, assisted by divers.

## Granite.

June 22 to July 28, August 9 to September 1, and December 4, 1893, to February 19, 1894.—Cement, sand and broken stone were loaded on scows at the East Twenty-fourth Street Yard, for use in setting and backing up the granite. 433 pieces of granite were dressed, as required, and set in the wall.

## Concrete Backing.

June 22, 1893, and February 19, 1894.—882 batches of concrete were made and placed to back-up the granite set. Total batches in place, 1,534.

## Coping.

January 11, February 2 and April 5 to 18, 1894.—Fifty-five pieces of coping stone were loaded on scows and deck of derricks at the East Twenty-fourth Street Yard, from bulkhead foot of East



Construction under "New Plan."

Ninety-sixth street and bulkhead foot of East One Hundred and Seventh street, and set on the "E" course of the bulkhead-wall by the derrick "City of New York," 12-ton Derrick No. 1 and the 10-ton derrick.

Pointing.

July 18 to 25, September 13 to 16, and October 24 to 27, 1893, and January 16 to 25, February 27 to March 6, and April 17 to 28, 1894.—Joints in the granite were cleaned out and pointed.

Backing-logs and Drilling Bolt-holes.

July 8, 1893, March 22 to 30 and April 19 to April 30, 1894—180 linear feet of backing-log was framed, placed and secured to the new bulkhead-wall with Ahlstrom bolts.

Recapitulation of Work Done and to be Done on the East One Hundred and Second Street Section, South End.

WALL OF 1876.  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	144.70	.....
Stone filling—Cobble .....	94.70	144.70	.....
"    Rip-rap .....	144.70	144.70	.....
Piling and woodwork—Piles driven.....	.....	144.70	.....
"        Bracing piles .....	.....	144.70	.....
"        Binding frames .....	.....	144.70	.....
"        Sawing piles .....	.....	144.70	.....
"        Longitudinal capping .....	.....	144.70	.....
"        Transverse capping.....	118.70	144.70	.....
"        Cap decking.....	144.70	144.70	.....
Masonry—Base blocks .....	72.25	144.70	.....
"    Chain-holes.....	72.25	144.70	.....
"    "A B" course granite.....	144.70	144.70	.....
"    "C" course granite.....	144.70	144.70	.....
"    "D" course granite.....	144.70	144.70	.....
"    "E" course granite.....	144.70	144.70	.....
"    Concrete backing.....	144.70	144.70	.....
"    Coping .....	144.70	144.70	.....
"    Backing-log and bolt-holes.....	144.70	144.70	.....
"    Pointing .....	144.70	144.70	.....
Earth filling.....	.....	.....	144.70
Wall actually completed .....	.....	144.70	.....
Equivalent length of completed wall.....	32.37	144.70	.....

N. B.—This section of bulkhead-wall proper has been completed during the year, and as soon as the earth filling, now in progress, is completed, the bulkhead will be ready for the collection of wharfage. A small amount of rip-rap remains to be placed in front of the toe of the wall.

*General Charges.*

## GUARD PILING.

July 22, 1893.—5 second-hand piles were driven at the south end of the section to protect the work at this point.

## REMOVING OLD WORK.

December 27, 1893.—Old work in rear of wall was removed to make way for the earth filling.

*Recapitulation of Work Done and to be Done on the East One Hundred and Second Street Section, North End.*

## PLAN OF EAST ONE HUNDRED AND SECOND STREET.

## In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	703.95	.....
Stone filling—Cobble .....	200.00	703.95	.....
“ Rip-rap .....	253.95	703.95	.....
Woodwork—Piles driven .....	.....	703.95	.....
“ Piles cut off.....	.....	703.95	.....
Masonry—Base blocks .....	224.30	703.95	.....
“ Chain-holes.....	227.30	703.95	.....
“ “ A B ” course granite.....	369.09	703.95	.....
“ “ C ” course granite.....	273.85	703.95	.....
“ “ D ” course granite.....	283.78	703.95	.....
“ “ E ” course granite.....	288.40	703.95	.....
“ Concrete backing.....	289.00	703.95	.....
“ Coping .....	293.32	703.95	.....
“ Backing-log and bolt-holes.....	133.10	603.95	100.00
“ Pointing.....	293.32	703.95	.....
Earth filling.....	260.00	520.00	328.65
Wall actually completed.....	260.00	520.00	183.95
Equivalent length of completed wall.....	170.10	628.95	5.00

N. B.—This section of bulkhead-wall has been practically completed during the year, with the exception of 100 feet of backing-log and 328.65 feet of filling in rear of wall, both of which are now in progress, and will be finished in a short time. About 200 linear feet of rip-rap remains to be placed in front of the toe of the wall at south end of section.

## FILLING IN REAR WALL.

## Under Secretary's Order No. 11688.

July 19, 1893.—4 loads of earth filling were received and placed in rear of the bulkhead-wall from Plunkitt & Smith, which completes the filling under this order.

Construction under "New Plan."

Under Engineer's Order No. 13331.

July 19 to August 27, 1893.—1,172 loads of earth filling were received and placed in rear of new bulkhead-wall on tickets from Thomas Smith, who has the privilege to dump 2,500 loads under this order.

Under Secretary's Order No. 13206.

The Harlem Market Company has a permit to dump filling under this order. Begun September 26, 1893, and temporarily suspended.

Under Secretary's Order No. 13701.

March 21 to May 1, 1894.—5,751 loads of earth filling were received and placed in rear of the new bulkhead-wall by John D. Crimmins, who bought the privilege March 15, 1894.

RAFTING OF TIMBER.

September 28 to November 2, 1893.—Timber delivered from schooners, under Treasurer's Order No. 17158, was received, inspected and rafted at the foot of East One Hundred and Second street.

*Between One Hundred and Seventh and One Hundred and Eighth Streets.*

GRANITE.

Under Contract No. 414.

May 22, 1893.—Coping stones were handled and turned over by the 12-ton Derrick, No. 1, so as to make the necessary repairs before accepting.

PAVING.

Under Contract No. 445.

July 24 to July 28, 1893.—Coping-stones were moved with the 12-ton Derrick No. 1, to make way for the contractor to do the paving as called for under this contract.

EAST ONE HUNDRED AND TENTH STREET SECTION.

Under Unanimous Resolution of the Board, April 25, 1889.

*General Charge.*

TEMPORARY SEWER-BOX.

September 1 to September 8, 1893.—A piece of coping was removed from the bulkhead-wall, a trench dug in the newly-made land under the pavement, and a temporary sewer-box placed to drain off the water as it accumulates on the newly-made land between East One Hundred and Seventh and One Hundred and Tenth streets.

*Recapitulation of Work Done and to be Done on the East One Hundred and Tenth Street Section.*

WALL OF 1876.

In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Dredging .....	.....	760.00	95.86
Stone filling—Cobble.....	.....	760.00	95.86
“ Rip-rap.....	.....	760.00	95.86

## Construction under "New Plan."

Work.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet.
Piling and woodwork—Vertical piles.....	.....	760.00	95.86
“ Bracing piles.....	.....	750.81	.....
“ Binding frames.....	.....	760.00	.....
“ Sawing piles.....	.....	760.00	95.86
“ Longitudinal capping.....	.....	760.00	.....
“ Transverse capping.....	.....	760.00	.....
“ Cap decking.....	.....	740.00	.....
Masonry—Base blocks.....	.....	756.15	99.71
“ Chain-holes.....	.....	756.15	99.71
“ “A B” course granite.....	.....	753.70	102.16
“ “C” course granite.....	.....	752.95	102.91
“ “D” course granite.....	.....	752.08	103.78
“ “E” course granite.....	.....	750.85	105.01
“ Concrete backing.....	.....	750.85	105.01
“ Coping.....	.....	698.06	32.44
“ Backing-log and bolt-holes.....	.....	581.70	31.43
“ Pointing.....	.....	750.85	104.97
Earth filling.....	.....	750.85	.....
Wall actually completed.....	.....	750.85	104.97

N. B.—The southerly 104.97 feet of this section has not yet been built. Plan of East One Hundred and Second street will be used when the work is done.

## EAST ONE HUNDRED AND TWENTY-FIFTH STREET SECTION.

Under Unanimous Resolution of the Board, March 28, 1889.

*General Charges.*

## PUMPING MUD, REMOVING LOOSE STONE, ETC.

May 12 to August 5, 1893.—Mud, sand and gravel were pumped from rock bottom, in slip at north end of section with a wrecking-pump operated with steam from the 12-ton Derrick No. 1, assisted by divers. Holes were drilled in large boulders, charged with explosives, and blasted. The loose stone was then removed by the derrick, with help of divers, and the required depth of water in the slip was obtained.

## BACKING-LOGS.

November 23, 1893.—35 linear feet of backing-log, having been displaced by vessels making fast to the cleats, was replaced.

## FILLING IN REAR OF WALL.

Under Secretary's Order No. 13442.

December 18 to December 28, 1893.—160 loads of earth filling was received and placed in rear of the new bulkhead-wall, where settlement had taken place, by John D. & Thomas E. Crimmins.

## Construction under "New Plan."

*Recapitulation of Work Done and to be Done on the East One Hundred and Twenty-fifth Street Section.*SPECIAL CONSTRUCTION FOR WALL AT ONE HUNDRED AND TWENTY-FIFTH STREET SECTION.  
In Linear Feet of Wall.

WORK.	COMPLETED WORK.		WORK TO BE COMPLETED.
	1893-1894.	Total to Date.	
	Feet.	Feet.	Feet
Stone filling—Rip-rap.....	.....	362.70	4.57
Masonry—Cleaning rock bottom.....	.....	367.27	.....
“ Concrete in bags.....	.....	230.00	. ....
“ Concrete in mass.....	.....	367.27	.....
“ Concrete blocks.....	.....	362.70	4.57
“ Chain-holes.....	.....	362.70	4.57
“ “A B” course granite.....	.....	362.70	4.57
“ “C” course granite.....	.....	362.70	4.57
“ “D” course granite.....	.....	362.70	4.57
“ “E” course granite.....	.....	362.70	4.57
“ Coping .....	.....	362.70	4.57
“ Concrete backing.....	.....	362.70	4.57
“ Backing-log and bolt-holes.....	.....	362.70	4.57
“ Pointing.....	.....	362.70	4.57
Earth filling.....	.....	362.70	4.57
Wall actually completed .....	.....	362.70	4.57
Equivalent length of completed wall.....	.....	362.70	4.57

## Temporary Construction under "New Plan."

**WORK OF TEMPORARY CONSTRUCTION UNDER  
"NEW PLAN."**

CHAPTER 567, LAWS OF 1887.

*Canal Street.*

BUILDING TEMPORARY DUMP.

Under Unanimous Resolution of the Board, December 10, 1891.

July 21 to July 31, 1893.—Thirty vertical and 1 bracing piles were driven and regulated, and 19 piles were placed for cross braces under dump; 10 crib timbers were placed for longitudinal braces, and 7 crib timbers were sawed and used as posts for trestle; 4 fender piles were placed and fastened on north side of dump, and a clump of 15 piles was placed on the westerly end of dump; also piles were bunched and sawed off to grade; rangers, horizontal and "A" braces and capping were placed and fastened, trestle was built, and ramp and dump were planked; the south

## Temporary Construction under "New Plan."

side of dump was fenced, and fence was built on dump, which was opened for use by the Street Cleaning Department August 1, 1893.

## Repairing Dump.

May 1 to December 9, 1893.—This dump was repaired as required.

## Building Fence.

October 23 to October 30, 1893.—A fence was built at this section for the protection of dumping carts.

February 5, to February 24, 1894.—The temporary dumping-board at Canal Street Section was torn up and removed.

*Pier, old 42, N. R.*

## REMOVING AND DREDGING.

Under Contract No. 433.

May 1 to September 30, 1893.—This pier was removed, mud and old crib-work excavated and removed by Morris & Cumings, contractors, under above contract.

*Building Pier on Site of Pier, old 42, N. R., near foot of Canal Street.*

Under Contract No. 434.

April 24 to December 23, 1893.—This work, done by contractor John W. Flaherty, was commenced April 24, and finished December 23, 1893, and consisted in preparing for and building a new wooden pier with appurtenances, including two wooden sewers, near the foot of Canal street, North river.

*Building Dumping-board, Pier 42, near foot of Canal Street.*

Under Contract No. 459 and Secretary's Order No. 13394.

December 22, 1893, to February 6, 1894.—Work under this contract was commenced by Spearon & Preston, December 22, 1893, and completed February 6, 1894.

## LAYING PLANK OVER GUTTER FOR CARTS.

Under Secretary's Order No. 13556.

February 3 to February 7, 1894.—This work has been done by Department labor, and consisted in placing 4-inch plank to fill out a space of 13 inches between the sides of the sheathing and the insides of the backing-logs on the ramp.

*Building Pier West Fifteenth Street, N. R.*

Under Contract No. 454.

July 13 to December 18, 1893.—This work, done by Contractor John W. Flaherty, was commenced July 13, 1893, and completed December 18, 1893, and consisted in removing the old pier and preparing for and building a new wooden pier, with appurtenances, at the foot of West Fifteenth street, North river. Length of pier 284 feet 3¼ inches and 60 feet wide.

## REPAIRING PAVEMENT.

Under Secretary's Order No. 13436.

December 18 to 22, 1893.—This work, done by Department labor, consisted in taking up about 40 square yards of pavement (Belgian block) and crosswalk, and relaying same with sand joints in order to make a proper connection between the deck of the pier and the pavement on Thirteenth avenue.

Construction not under "New Plan."

## WORK OF CONSTRUCTION NOT UNDER "NEW PLAN."

*Building Crib-bulkhead, One Hundred and Twenty-ninth to One Hundred and Thirtieth Street, N. R.*

Under Contract No. 427.

This work was done by P. Sanford Ross, contractor, and was finished May 19, 1893.

*Blackwell's Island, E. R.*

Under Contract No. 442.

June 17 to September 30, 1893.—The building of crib-bulkhead adjoining store-house dock, Blackwell's Island, East river, and repairing boat landing thereat, and for dredging, was done by B. S. Cronin, contractor.

*Bulkhead, One Hundred and Thirty-eighth to One Hundred and Fortieth Street, Harlem River.*

Under Secretary's Order No. 11226.

Filling behind bulkhead. Received 12,718 truck loads, 11,522 cart loads—total, 43,266 truck loads, 24,368 cart loads.

*Riker's Island.*

EXAMINATION.

Under Secretary's Order No. 12780.

June 30 to July 2, 1893.—Piles were driven and monuments placed to be used from time to time as the work progresses under Contract No. 449, for building a crib-bulkhead at this island.

BUILDING CRIB-BULKHEAD.

Under Contract No. 449.

July 22, 1893, to February 1, 1894.—Crib-logs and ties were placed and filled in with rip-rap stone by the contractor, to form the crib-bulkhead on the westerly side of the island, as called for under the contract. Work temporarily suspended for the balance of the winter.

Construction under Chapter 298, Laws of 1892.

## CONSTRUCTION UNDER CHAPTER 298, LAWS OF 1892.

*West Thirty-fourth Street Pier.*

BUILDING IRON AWNING SHED.

Under Contract No. 437.

June 17 to September 16, 1893.—This work, done by Contractors Sheridan & Byrne, was commenced June 17 and finished September 16, 1893, and consisted in preparing for and building an iron awning shed 63½ feet long by 50 feet wide, with appurtenances, on the Pier at foot of West Thirty-fourth street, North river.

*West Fifty-second Street Pier.*

BUILDING IRON AWNING SHED ON PIER.

Under Contract No. 446.

September 20 to October 28, 1893.—Work under this contract, done by Contractor Thomas J. Sheridan, was commenced September 20 and completed October 28, 1893, consisted in building an iron awning shed on the outer end of West Fifty-second street Pier, North river, in accordance with the specifications.

*Pier foot of East Third Street.*

BUILDING AN AWNING SHED.

Under Contract No. 441.

July 28 to October 4, 1893.—An iron awning shed was placed on Pier foot of East Third street, East river, in accordance with the specifications and contract therefor.

# STATEMENT OF REPAIRS, OTHER THAN DREDGING, FOR THE YEAR ENDING APRIL 30, 1894, EXCLUSIVE OF REPAIRS DONE FOR OTHER DEPARTMENTS.

## NORTH RIVER.

### *Battery.*

#### EASTERLY SIDE.

Secretary's Order No. 12881.—A temporary platform for passenger boat landing was built. There were used in the erection of same 40 spruce piles, 700 linear feet of oak piles, 1,680 feet, B. M., of yellow pine, 200 pounds of chain, and 7,133 feet, B. M., of 4-inch spruce plank. Begun May 29 and finished June 12, 1893.

#### STEAMBOAT LANDING.

Secretary's Order No. 13077.—Old clusters of piles were pulled and new clusters were driven and fastened. Used 218 linear feet of oak piles and 100 pounds chain. Begun and finished August 18, 1893.

Secretary's Order No. 13756.—3 oak spring piles were driven in cluster and fastened to landing; a mooring post was also properly fastened. Begun April 13 and finished April 14, 1894.

Secretary's Order No. 13193.—A cluster of oak piles was driven and braced; used 220 linear feet of oak piles and 100 pounds of chain. Begun and finished September 15, 1893.

Secretary's Order No. 13285.—A fender pile was refastened. Begun and finished October 30, 1893.

#### IN FRONT OF CASTLE GARDEN.

Secretary's Order No. 12978.—The wharf along the wall was removed. Begun June 27 and finished July 1, 1893.

#### FIRE-BOAT LANDING.

Secretary's Order No. 13007.—The landing dock was repaired and properly strengthened; 175 linear feet of oak piles were driven and fastened. Begun and finished July 8, 1893.

### *Boat Landing, East of Pier "A," N. R.*

Secretary's Order No. 12898.—A float was placed and properly secured and fastened adjoining the boat landing south side of pier; 16 spruce piles were driven and fastened around the float; heads of piles were painted. Begun June 7 and finished June 16, 1893.

Secretary's Order No. 12913.—Three gas-lamps were removed from the several pedestals and replaced with granite caps. These caps were set with 4 wooden wedges, in their bed joints, so that they may be readily removed at any time that may be directed. Begun June 19 and finished August 26, 1893.

Secretary's Order No. 13152.—The damage done to float at Pier "A" and the landing by storm was repaired; 2 piles for protection were also driven and fastened. Begun August 30 and finished August 31, 1893.

Secretary's Order No. 13510.—The float stage was removed to Ninety-first street, East river. Begun January 12 and finished January 13, 1894.

### *Pier "A," N. R.*

Secretary's Order No. 13022.—Painting 51 fender piles at Pier "A," North river, with two coats of white paint, and headed with red paint. Begun July 17 and finished July 24, 1893.

Engineer's Order.—Awnings were removed from Pier "A" building and stored away. Begun November 11 and finished November 18, 1893.



## General Repairs.

Secretary's Order No. 13658.—One oak spring pile (56 linear feet) was driven and fastened, chocks and fenders were refastened. Used 200 pounds of chain. Begun and finished March 29, 1894.

Secretary's Order No. 13716.—Chocks were put on between fenders and the baking-log repaired ; used 358 feet, B. M., of yellow pine. Begun April 10 and finished April 12, 1894.

*Bulkhead between Pier "A" and Pier, new 1, N. R.*

Secretary's Order No. 12307.—Cleaning and repointing granite blocks between the above points is now suspended, awaiting the result of work done.

*Pier, new 1, N. R.*

PAVEMENT.

Secretary's Order No. 12847.—This work consisted in taking-up about 23 square yards of pavement by Department labor, in front of and about 180 feet from the above pier, and relaying the same to grade with coal-tar and gravel joints, so as to conform to the grade of pavement recently laid by the Department of Public Works adjoining said pavement. Begun May 19 and finished May 24, 1893.

*Bulkhead between Pier, new 1 and old 1, N. R.*

REPOINTING GRANITE.

Secretary's Order No. 12378.—This work, commenced November 3, 1892, by Department labor, consisted in repointing joints of granite set in bulkhead-wall north of north side of Pier, new 1, N. R. Commenced November 3, 1892, and is now suspended awaiting the result of work done.

*Pier, old 4, N. R.*

MAKING AN EXAMINATION OF UNDERPINNING.

Secretary's Order No. 13347.—An examination of the underpinning of Pier, new 4, North river, was made, in relation to the application of the Pennsylvania Railroad Company to repair same. Begun and finished November 18, 1893.

*Relaying Pavement, etc., at Pier, new 14, N. R.*

Secretary's Order No. 13047.—This work consisted in making excavations and filling-in same afterwards, and relaying pavement, that the Department of Public Works might place hydrants, etc. Begun September 18, 1893 ; in progress from time to time, when necessary.

*Pier, new 15, N. R.*

Secretary's Order No. 13286.—This work consisted in removing and replacing the 4-inch spruce sheathing where it was worn out, principally where the sheathing made a butt joint ; about 2,500 feet, B. M., of 4-inch spruce was used. Begun November 23 and finished December 1, 1893.

*Pier, new 19, N. R.*

Under Resolution of the Board June 1, 1893.

Oak piles were unloaded from scow and placed on bulkhead between Fifty-fifth and Fifty-sixth streets, North river. Begun and finished December 28, 1893.

*Bulkhead at Warren and West Streets.*

Secretary's Order No. 12937.—Taking-up of about  $\frac{1}{2}$  square yard of the West street pavement, and repairing the old bulkhead by the driving of 4-inch plank as sheet piles. After the plank was placed the excavation was refilled and the paving replaced. Begun and finished June 12, 1893.

*Chambers Street Office.*

Secretary's Order No. 13847.—Small repairs are being made, and additional shelving, painting, etc., being done. Begun April 10, 1894 ; in progress.

*Pavement Between Duane Street and Pier, new 21, N. R.*

Secretary's Order No. 13558.—About 200 square yards of paving and about 75 feet of crosswalks were taken up, lowering 3 manholes about 6 inches, raising and lowering the grade of the filling to meet the pavement, and relaying the pavement and crosswalk with asphalt and petroleum residuum and gravel joints. Begun February 6 and finished April 7, 1894.

*Cleaning Pier, new 22, N. R.*

Under Unanimous Resolution of the Board, May 12, 1892.

The deck of this pier was cleaned, as required. Begun November 27 and finished November 30, 1893.

*Pier new 23, N. R.*

## REMOVING OLD TIMBER, ETC.

Secretary's Order No. 13030.—One 5 by 10 inch plank that has been placed along the edge of the planking about opposite the north side of the bulkhead shed between Piers, new 23 and 24, and also 2 pieces of old timber that were unfastened in front of the Jay Street Ferry entrance, were removed. Begun and finished July 11, 1893.

*Cleaning Bulkhead at Franklin Street.*

Under Unanimous Resolution of the Board, May 12, 1892.

This bulkhead was cleaned, as required. Begun July 8 and finished July 15, 1893.

*Pier, new 29, N. R.*

Engineer's Order.—An excavation was made about in front of this pier for the purpose of examining the sewer leading to the pier. Begun June 3 and finished June 10, 1893.

*Repairing Pavement between Canal and West Tenth Streets.*

Secretary's Order No. 13113.—Taking up about 254 square yards of pavement and crosswalks and relaying the same with coal-tar and gravel joints in the vicinity of Canal street, North river, and Piers, new 34, 36, 39 and 40, North river. One pile was uncovered, cut off at mean low water and pointed, opposite Pier, new 40, North river. Also one new style silt basin was placed at the foot of Canal street, North river, and connected with the sewer at that point by 24 feet of 6-inch cast-iron pipe. Begun October 14, 1893, and finished March 31, 1894.

*Repairing Pavement at Pier, new 34, N. R.*

Secretary's Order No. 13265.—The pavement at this pier was repaired under Secretary's Order No. 13113. Begun October 15 and finished October 17, 1893, and above order was returned October 23, 1893.

*Repairing Sewer Barrels near the Old Outer End of Pier, new 36, N. R.*

Secretary's Order No. 13260.—This work consisted of repairing sewer barrels near old outer end of Pier, new 36, North river. Begun April 4, 1894 ; suspended.

*Repairs to Pavement at Pier, new 37, N. R.*

Secretary's Order No. 13594.—Repairs to pavement in front of Pier, new 37, North river, were made. Begun April 10, 1894 ; suspended.

## General Repairs.

*Damage by Steamships "Bovic," "Runic" and "Tauric" Collisions to Pier, new 38, N. R.*

June 29, July 25 and 26 and August 1 to 7, 1893.—The damage done to this pier by Steamships "Bovic," "Runic" and "Tauric" collisions were repaired.

*Cutting Gangways, Pier, new 38, N. R.*

Secretary's Order No. 13198.—Gangways were cut through backing-log in the extension to pier. The backing-log was cut so that a portion of it could be removed and replaced in six places. Begun and finished September 22, 1893.

*Pavement at Pier, new 38, N. R.*

Secretary's Order No. 13025.—About 65 square yards of pavement south of the south side line of Pier, new 38, North river, extended, and about 70 feet from the bulkhead was taken up, and sufficient filling was removed in order to cut-off and sharpen 22 piles which had thrown the pavement out of grade. After the piles were cut the filling was replaced and the pavement relaid with coal-tar and gravel joints. Begun July 26 and finished August 11, 1893.

*Repairing Pavement at Pier, new 39, N. R.*

Secretary's Order No. 12849.—About 29 square yards of pavement in the vicinity of Pier, new 39, North river, were taken up and relaid to grade with coal-tar and gravel joints; also about 75 linear feet of crosswalk stone was taken up in connection with the work, relaid to grade and properly rejointed. Begun June 15 and finished June 30, 1893.

*Repairing Sewer-box at Pier, new 40, N. R.*

Secretary's Order No. 12493.—The entire outshore bent of the sewer, as it existed under the old sewer, was rebuilt, and the top and sides of the two adjacent inshore bents of the sewer-box, in the 4th sewer bent, counting from the old end of the pier, were rebuilt; the sewer-box was also repaired; 3 by 10 inch spruce was used. Begun January 3 and finished May 13, 1893.

Secretary's Order No. 13146.—This work consisted in replacing bottom, sides and top of sewer throughout, where decayed plank and breaks were found, with 3 by 10 inch spruce and 4 by 10 inch yellow pine; in all about 5,000 feet, B. M., of timber was used. Begun September 13 and finished October 12, 1893.

*Pavement at North Side of Pier, new 40, N. R.*

Secretary's Order No. 13105.—About 12 square yards of pavement was taken up, and the filling, which had fallen away to a depth of 2 feet, was replaced; the paving blocks were relaid with gravel and tar cement. Begun August 19 and finished August 23, 1893.

Secretary's Order No. 13106.—An examination of pavement north of Pier, new 40, North river, was made. The pavement on being taken up at this point disclosed a settlement of the ground under pavement in an area of about 10 square yards. Begun and finished August 19, 1893.

*Pier, new 43, N. R.*

Secretary's Order No. 13043.—The pavement at this pier was taken up and the water-pipe repaired; the pavement and crosswalks were relaid with coal-tar and gravel joints. Begun July 27 and finished August 2, 1893.

Secretary's Order No. 13349.—The signs and notices of late lessee were removed and painted out. Begun February 5 and finished February 12, 1894.

Secretary's Order No. 13541.—3,500 feet, B. M., of 3 by 10 inch spruce sheathing on the inner 50 feet of pier was replaced. Begun March 8 and finished March 13, 1894.

*Office at Pier, new 43, N. R.*

Secretary's Order No. 13634.—The pavement was taken up and the water-pipe repaired ; the pavement and crosswalks were relaid with coal-tar and gravel joints. Begun March 12 and finished March 14, 1894.

*Repairing Pavement between Piers, new 44 and 45, N. R.*

Secretary's Order No. 12792.—About 72 square yards of pavement on the new-made land between Piers, new 44 and 45, was taken up and the necessary filling removed, in order to cut off and sharpen 32 piles which had thrown the pavement out of grade ; the filling was replaced and the pavement relaid to grade with coal-tar and gravel joints. Begun May 11 and finished June 20, 1893.

*Pavement at Christopher Street Ferry.*

Secretary's Order No. 12879.—About 95 square yards of pavement in front of the southerly entrance to the Christopher Street Ferry was taken up and about 225 cubic yards of filling removed. 23 piles which had, by their presence under the pavement, thrown the same out of grade, were cut off and sharpened ; the filling was then replaced and the pavement relaid with coal-tar and gravel joints. Begun June 7 and finished July 14, 1893.

*Repairing Pavement at Pier, new 45, N. R.*

Secretary's Order No. 12742.—About 50 square yards of pavement in front of above pier, and between north and south crosswalks leading to pier, and also between bulkhead and westerly side of West street, were taken up and the necessary filling was removed in order to cut off and sharpen 15 piles, which had by their presence under the pavement, thrown same out of grade. The filling was replaced and the pavement relaid with coal-tar and gravel joints. Begun April 10 and finished May 11, 1893.

*Pavement between Charles and West Tenth Streets.*

Secretary's Order No. 12848.—About 310 square yards of temporary Belgian block pavement in rear of crib and between Charles and West Tenth streets was taken up, and about 35 cart loads of earth filling to raise the above area to grade, was put in, and the pavement was then relaid. Begun May 16 and finished June 15, 1893.

*Pier, old 54, N. R.*

Secretary's Order No. 12922.—The sheathing on deck of pier was patched with 23,446 feet, B. M., of 3-inch spruce plank. Begun July 10 and finished July 17, 1893.

Secretary's Order No. 13107.—A new mooring post was placed at outer end of pier. Begun September 7 and finished September 8, 1893.

Secretary's Order No. 13542.—The sheathing on deck of pier was patched with 9,617 feet, B. M., of 3-inch and 360 feet, B. M., of 4-inch spruce ; 7 half-round oak fenders were also put on. Begun February 5 and finished March 10, 1894.

*Approach to Piers, new 46 and 47, N. R.*

Secretary's Order No. 13031.—The sheathing on deck of approach was patched with 26,850 feet, B. M., of 3-inch spruce plank. Begun July 26 and finished August 2, 1893.

Secretary's Order No. 13326.—The sheathing on deck of approach was patched with 10,000 feet, B. M., of 3-inch spruce plank. Begun December 2 and finished December 8, 1893.

Secretary's Order No. 12539.—The sheathing on deck of approach was patched with 11,368 feet, B. M., of 3-inch, and 312 feet, B. M., of 4-inch spruce plank. Begun February 10 and finished March 2, 1893.

## General Repairs.

*Bulkhead at West Tenth Street, N. R.*

Secretary's Order No. 13145.—About 209 square yards of the pavement were taken up and a leak in an old unused water-pipe was repaired, the pavement was then replaced with sand joints. Begun September 5 and finished September 6, 1893.

*Bulkhead South of West Eleventh Street, N. R.*

Secretary's Order No. 13181.—The bulkhead was repaired by excavating and placing of crib thereat, and fastening and bracing same ; used 640 feet, B. M., of 4-inch spruce. Begun October 11 and finished October 14, 1893.

*Pier at West Eleventh Street, N. R.*

Secretary's Order No. 13439.—An incline about 30 feet long, 30 feet wide, and 19 inches in height where it meets the grade of the pavement in West Eleventh street, was built ; also a wooden incline was built on the inner end of the pier. Begun December 15 and finished December 23, 1893.

*Bulkhead at Eleventh Street and Thirteenth Avenue, N. R.*

Secretary's Order No. 13681.—The old gangway on the bulkhead near the entrance to the pier was repaired ; a new backing log was placed along the bulkhead ; about 150 square yards of the pavement was taken up and relaid to conform to the new grade of West Eleventh street. Begun March 27 and finished April 7, 1894.

*Approach to Pier at Bogart Street, N. R.*

Secretary's Order No. 12817.—The backing-log on approach was repaired. The pavement thereat was also repaired ; used 240 feet, B. M., of yellow pine. Begun May 4 and finished May 10, 1893.

*Pier, old 57, foot of Bogart Street, N. R.*

Secretary's Order No. 13162.—Four oak spring piles (246 linear feet) were driven, fastened and chocked ; used 113 feet, B. M., of yellow pine, and 100 pounds of chain. Begun September 12 and finished October 13, 1893.

Secretary's Order No. 13593.—The pavement in front of approach was repaired. About 35 square yards of Belgian block pavement was taken up and relaid with sand joints. Begun March 2 and finished March 6, 1894.

Secretary's Order No. 13665.—Old stumps of piles were pulled and 6 new oak spring piles (337 linear feet) were driven, fastened and chocked on outer corners of pier ; used 400 pounds of chain. Begun March 27 and finished March 28, 1894.

*Repairing Bulkhead between Bogart and Bloomfield Streets.*

Secretary's Order No. 13667.—A strip of pavement, of from 3 to 6 feet in width, and extending about 200 feet along the edge of the planking on the bulkhead was taken up and relaid to meet the grade of the planking. Begun March 23 and finished April 5, 1894.

*Pier, old 58, near Bloomfield Street, N. R.*

Secretary's Order No. 12794.—The horizontal and vertical sheathing on the south side of outer end was refastened. Begun and finished May 3, 1893.

Secretary's Order No. 13163.—4 oak spring piles (263 linear feet) were driven, fastened and chocked ; used 100 pounds of chain. Begun September 13 and finished September 14, 1893.

*Bulkhead South of Little West Twelfth Street, N. R.*

Secretary's Order No. 12815.—The pavement on bulkhead was repaired, surface filled-in, graded and pavement relaid in a proper manner. Begun May 8 and finished May 9, 1893.

*Pier foot of West Thirteenth Street, N. R.*

Secretary's Order No. 13160.—Relaying the plank on approach and other necessary repairs thereat were made. Begun September 13 and finished September 14, 1893.

*Removing Outer End of Pier at West Thirteenth Street, N. R., and Building a New Outer End.*

Secretary's Order No. 13280.—This work consisted in removing that part of the pier west of the pierhead-line of 1890, building a new end and cutting two gangways. Backing-logs and second-hand fender piles were fastened in place. Begun October 18 and finished November 11, 1893.

*Pier at Nineteenth Street, N. R.*

Secretary's Order No. 12702.—The sheathing on deck of pier was patched with 5,450 feet, B. M., of 3-inch spruce plank. Finished May 3, 1893.

Secretary's Order No. 13399.—Two oak spring piles were driven and fastened ; other loose piles, also chocks, were refastened. Begun and finished December 22, 1893.

*Pier at Twentieth Street, N. R.*

Secretary's Order No. 12880.—A hole at inner end of approach was repaired ; used 66 feet, B. M., of 3-inch spruce. Begun and finished May 23, 1893.

Secretary's Order No. 12956.—Sunken places along the approach were filled-in, graded and pavement relaid in a proper manner. Begun June 29 and finished July 8, 1893.

Secretary's Order No. 13231.—The sheathing on deck of pier was patched with 7,750 feet, B. M., of 3-inch spruce. Begun November 1 and finished November 13, 1893.

Secretary's Order No. 13607.—This work consisted in repairing the decking of the pier. Begun March 6, 1894 ; suspended.

*Bulkhead between Piers, new 54 and 55, N. R.*

Secretary's Order No. 13384.—205 linear feet of 12 by 12 inch backing-log was removed and a new backing-log put on with 27 new Ahlstrom bolts ; 2 new cleats were also placed on the new backing-log. Begun December 18 and finished December 23, 1893.

*Pier, new 56, N. R.*

Secretary's Order No. 12863.—Two pine bearing piles were driven, fastened and braced near outer end of pier ; used 197 feet, B. M., of yellow pine. Begun May 18 and finished May 20, 1893.

*Repairing Fence, between Piers, new 57 and 58, N. R.*

Secretary's Order No. 13321.—The fence at this point was repaired. Begun February 24 and finished March 10, 1894.

*Repairing Dangerous Hole in Pier foot of West Thirtieth Street, N. R.*

Engineer's Order—A dangerous hole in said pier was repaired. Begun and finished March 31, 1894.

*Pier at Thirtieth Street, N. R.*

Secretary's Order No. 12700.—Bench caps and piles were pulled to place, repaired and fastened ; used 240 feet, B. M., of yellow pine. Begun May 3 and finished May 5, 1893.

Secretary's Order No. 13205.—Several loose fender and spring piles were refastened ; used 40 pounds of chain. Begun and finished September 28, 1893.

Secretary's Order No. 13680.—Loose oak fender piles were refastened and chocks renewed ; used second-hand material and 100 pounds of chain. Begun and finished March 30, 1893.

## General Repairs.

*Removing Old Sewer-box at West Thirtieth Street, N. R.*

Secretary's Order No. 13187.—This work consisted in the removal of the earth overlying the old sewer-box in West Thirtieth street, between the easterly side of Twelfth avenue and the bulkhead, and the removal of the top planks of the sewer-box and a portion of the side planking. After the planks were removed the trench was refilled and the earth levelled off. Begun October 3 and finished November 29, 1893.

*Pier at Thirty-fourth Street, N. R.*

Secretary's Order No. 12814.—A temporary shed on pier near outer end was taken down, the material rafted and towed to West Fifty-seventh Street Yard. Begun May 4 and finished May 9, 1894.

Secretary's Order No. 12868.—The sheathing on deck of pier was patched with 27,227 feet, B. M., of 3-inch spruce plank. Begun June 17 and finished July 8, 1893.

Secretary's Order No. 13204.—The sheathing on deck of pier was patched with 10,077 feet, B. M., of 3-inch spruce; the backing-log was repaired by spiking 4-inch yellow pine on same; necessary chocks were also put on; used 1,053 feet, B. M., of yellow pine; 3 oak spring piles were driven and fastened. Begun September 29 and finished November 4, 1893.

Secretary's Order No. 13501.—The sheathing on deck of pier was patched with 15,009 feet, B. M., of 3-inch spruce plank. Begun January 19 and finished February 3, 1894.

*Pier and Bulkhead at Thirty-ninth Street, N. R.*

Secretary's Order No. 13024.—The pier and bulkhead were fenced off from public use with 513 feet, B. M., of 4-inch, and 780 feet, B. M., of 3-inch spruce plank. Begun August 17 and finished August 18, 1893.

*Pier at Forty-fourth Street, N. R.*

Secretary's Order No. 12701.—234 linear feet of oak piles and 3 yellow pine piles were driven and fastened on the outer corners of pier; used 140 feet, B. M., of yellow pine for chocks. Begun May 1 and finished May 3, 1893.

Secretary's Order No. 13071.—The necessary piles, in accordance with application of the "Al. Foster Steamboat Company," were driven, fastened and chocked; second-hand material was used; also 480 feet, B. M., of new yellow pine for the chocks. Begun August 11 and finished August 14, 1893.

Secretary's Order No. 13109.—The deck and sheathing on pier were repaired; used 448 feet, B. M., of 4-inch, and 2,862 feet, B. M., of 3-inch spruce plank. Begun August 23 and finished November 15, 1893.

*Repairing West Forty-fourth Street Pier.*

Contract No. 463.—Work under this contract was done by Bartholomew Cronin, contractor, and consisted in repairing Pier at foot of West Forty-fourth street, North river, in accordance with terms of contract. Begun February 7 and finished March 26, 1894.

*Pier at Forty-seventh Street, N. R.*

Secretary's Order No. 12888.—The sheathing on deck of pier was patched with 13,684 feet, B. M., of 3-inch spruce plank. Begun June 29 and finished July 8, 1893.

Secretary's Order No. 13126.—The sheathing on deck of pier was patched with 13,010 feet, B. M., of 3-inch spruce plank. Begun September 13 and finished September 20, 1893.

Secretary's Order No. 13437.—The sheathing on deck of pier was patched with 13,919 feet, B. M., of 3-inch spruce plank. Begun December 15, 1893, and finished January 2, 1894.



## General Repairs.

Secretary's Order No. 13651.—Chocks were put on and loose ones were refastened ; oak spring piles on outer corner of pier were also refastened ; used 173 feet, B. M., of yellow pine ; the sheathing was patched with 30,660 feet, B. M., of 3-inch spruce plank. Begun March 30 and finished April 10, 1894.

*Pier at Fiftieth Street, N. R.*

Secretary's Order No. 12939.—A float was built, placed and secured at foot of this street, for use of ship "Minnesota" ; used 480 feet, B. M., of 4-inch, and 1,867 feet, B. M., of 3-inch spruce ; also 6 pieces of 2 by 4 inch spruce. Begun June 23 and finished June 26, 1893.

Secretary's Order No. 13125.—The sheathing on deck of pier was patched with 13,214 feet, B. M., of 4-inch and 5,558 feet, B. M., of 3-inch spruce. Begun August 26 and finished September 12, 1893.

*Pier at Fifty-second Street, N. R.*

Secretary's Order No. 12916.—The sheathing on deck of pier was patched with 2,781 feet, B. M., of 3-inch spruce plank. Begun and finished August 3, 1893.

Secretary's Order No. 13799.—The sheathing on deck of pier was patched with 2,586 feet, B. M., of 3-inch spruce plank. Begun April 27, 1894 ; in progress.

*From West Fifty-fourth to West Fifty-sixth Street, N. R.*

Secretary's Order No. 13653.—A wooden curbing for a 40-foot strip of temporary pavement was laid between the above streets. Begun March 24 and finished April 18, 1894.

*Pier at Fifty-fifth Street, N. R.*

Secretary's Order No. 12703.—One oak fender pile was put on and fastened ; new chocks were put on and loose ones refastened ; used 360 feet, B. M., of yellow pine ; the sheathing on deck was patched with 7,755 feet, B. M., of 3-inch spruce. Begun May 15 and finished May 25, 1893.

Secretary's Order No. 12889.—The sheathing on deck of pier was patched with 14,512 feet, B. M., of 3-inch spruce plank. A lower armature plate was placed and fastened on outer southerly corner of pier.. Begun May 26 and finished July 11, 1893.

Secretary's Order No. 13324.—The sheathing on deck of pier was patched with 8,040 feet, B. M., of 3-inch and 500 feet, B. M., of 4-inch spruce plank ; 2 oak corner piles were driven, and necessary chocks were put on ; used 811 feet, B. M., of yellow pine. Begun December 8 and finished December 12, 1893.

*Pier at Fifty-sixth Street, N. R.*

Secretary's Order No. 12952.—The sheathing on deck of pier was patched with 10,851 feet, B. M., of 3-inch spruce plank. Begun August 7 and finished August 9, 1893.

*Bulkhead, Seventy-fifth to Seventy-ninth Street, N. R.*

Secretary's Order No. 13151.—The sunken portion of pavement along the bulkhead was filled in, graded, and pavement relaid. Begun September 6 and finished September 30, 1893.

*Bulkhead between Seventy-fifth and Seventy-sixth Streets, N. R.*

Secretary's Order No. 13585.—The backing-log and fenders along the bulkhead were repaired ; used 2,901 feet, B. M., of yellow pine. Begun March 13 and finished March 16, 1894.

*Bulkhead between Seventy-sixth and Seventy-seventh Streets, N. R.*

Secretary's Order No. 13586.—The backing-log and fenders along the bulkhead were repaired ; used 3,715 feet, B. M., of yellow pine. Begun March 10 and finished March 12, 1894.



## General Repairs

*Bulkhead, Seventy-seventh to Seventy-ninth Street, N. R.*

Secretary's Order No. 13650.—The fenders along the front of bulkhead were repaired and renewed ; used second-hand material and 2,864 feet, B. M., new yellow pine ; 4 oak piles were driven and fastened to bulkhead. Begun March 17 and finished March 22, 1894.

*Pier foot of Seventy-ninth Street, N. R.*

Secretary's Order No. 13679.—Four oak spring piles (218 linear feet) were driven and fastened under dump on southerly side of pier : 2 mooring posts were set and fenders put on ; used 480 feet, B. M., of yellow pine and 200 pounds of chain. Begun March 23 and finished March 26, 1894.

Secretary's Order No. 13708.—The sheathing on deck of pier was patched with 3,788 feet, B. M., of 3-inch spruce plank. Begun April 5 and finished April 13, 1894.

*Bulkhead at Ninety-sixth Street, N. R.*

Secretary's Order No. 13135.—The planking on approach was repaired with 462 feet, B. M., of 3-inch spruce plank. Begun and finished August 26, 1893.

Secretary's Order No. 13184.—The sewer and approach were repaired ; used 7,276 feet, B. M., of 4-inch spruce plank. Begun September 23 and finished September 28, 1893.

Secretary's Order No. 13284.—The deck on south side of bulkhead was repaired ; used 1,333 feet, B. M., of 4-inch and 3,722 feet, B. M., of 3-inch spruce. Begun October 30 and finished November 1, 1893.

*Bulkhead, Ninety-seventh to Ninety-eighth Street, N. R.*

Secretary's Order No. 12921.—3,397 loads of material were received from the Street Cleaning Department and dumped behind bulkhead, under Secretary's Order No. 12533. Finished May 31, 1893. 3,786 loads of material were received from Thomas Dunn, under Secretary's Order No. 12804, and dumped behind bulkhead. Finished June 5, 1893. 9,431 loads of material were received, under Secretary's Order No. 12921, and dumped behind bulkhead. Begun June 6 and closed the dump on November 17, 1893. A day and night man were detailed to watch and care for premises and to prevent the dumping thereat of any more material. In progress.

*Bulkhead between One Hundred and Twenty-ninth and One Hundred and Thirtieth Streets, N. R.*

Engineer's Order.—Six yellow pine piles were driven and fastened to the front of bulkhead to secure same in place ; used 100 pounds of chain. Begun and finished July 14, 1893.

Secretary's Order No. 13395.—3,008 loads of material were received and dumped behind bulkhead. Begun December 8, 1893, and finished January 13, 1894.

Secretary's Order No. 13399.—Dangerous holes in bulkhead were filled in with stone. Begun April 14 and finished April 16, 1894.

*Pier at One Hundred and Thirty-first Street, N. R.*

Secretary's Order No. 12992.—New backing-log was put on, mooring-posts were set and scupper holes cut ; second-hand material was used and 285 feet, B. M., of 3-inch spruce. Begun and finished July 12, 1893.

Secretary's Order No. 13294.—The structure was repaired by raising and fastening and bracing of the square timbers on northerly side of pier ; dangerous holes were filled, pavement thereat relaid. Begun November 10 and finished November 18, 1893.

*North Side of Pier foot of One Hundred and Thirty-first Street, N. R.*

Secretary's Order No. 13777.—Dangerous holes were filled in with stone and earth, and the pavement thereat relaid. Begun April 17, 1894 ; in progress.

## General Repairs.

*Bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second Streets, N. R.*

Secretary's Order No. 12997.—The backing-log along the bulkhead was repaired and scupper holes cut. Begun and finished July 13, 1893.

*Bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-third Streets, N. R.*

Secretary's Order No. 13647.—Sunken places along the bulkhead were filled in, graded and the pavement thereat relaid. Begun March 17 and finished April 3, 1894.

*Bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third Streets, N. R.*

Secretary's Order No. 12998.—The backing-log on bulkhead was repaired and scupper holes cut. Begun and finished July 13, 1893.

Secretary's Order No. 13248.—Holes were filled-in on bulkhead and graded; the pavement thereat was also repaired. Begun October 14 and finished October 19, 1893.

*Pier at One Hundred and Thirty-fourth Street, N. R.*

Secretary's Order No. 12776.—Loose chocks were refastened. Begun and finished May 17, 1893.

Secretary's Order No. 13480.—The sheathing on deck of pier was patched with 3,020 feet, B. M., of 3-inch and 2,530 feet, B. M., of 4-inch spruce plank. Begun January 6 and finished January 13, 1894.

*Pier at One Hundred and Fifty-second Street, N. R.*

Secretary's Order No. 12858.—Two mooring posts were set, fastened and chocked; used 360 feet, B. M., of yellow pine. The sheathing was patched with 6,515 feet, B. M., of 3-inch spruce. Begun May 8 and finished May 17, 1893.

Secretary's Order No. 13270.—The under timbers of this pier were blocked up and fastened in place. The sheathing on deck was also repaired; used 1,206 feet, B. M., of 3-inch spruce. Begun November 6 and finished November 9, 1893.

*Pier at One Hundred and Fifty-fifth Street, N. R.*

Secretary's Order No. 12774.—One spring pile was driven and fastened. Begun and finished May 16, 1893.

Secretary's Order No. 13348.—Backing-log and a mooring post were removed, fender piles were driven and fastened, necessary chocks were put on, vertical sheathing repaired and a gangway was built; used 2,320 feet, B. M., of yellow pine, 12 yellow pine piles and 2 oak piles, 1,045 feet, B. M., of 3-inch and 1,496 feet, B. M., of 4-inch spruce plank. Begun December 29, 1893, and finished January 8, 1894.

*Pier at One Hundred and Fifty-eighth Street, N. R.*

Secretary's Order No. 12775.—A spring pile and the backing-log were repaired and fastened; new chocks were also put on; used 360 feet, B. M., yellow pine and 100 pounds of chain. Begun and finished May 16, 1893.

## EAST RIVER.

*Pier, new 6, E. R.*

Secretary's Order No. 12886.—The sheathing on deck of pier was patched with 7,746 feet, B. M., of 3-inch and 1,564 feet, B. M., of 4-inch spruce plank. Begun July 18 and finished July 25, 1893.

## General Repairs.

Secretary's Order No. 13233.—The sheathing on deck of pier was patched with 12,453 feet B. M., of 3-inch spruce plank ; also, one oak fender pile was driven and fastened ; used 50 pounds of chain. Begun October 20 and finished November 2, 1893.

*Pier 12, E. R., West Half.*

Secretary's Order No. 12887.—Loose fender piles on outer end, west side of pier, were pulled to place and fastened ; used 60 pounds of chain. Begun and finished May 29, 1893.

Secretary's Order No. 13173.—The sheathing on westerly half of pier was patched with 5,175 feet, B. M., of 3-inch spruce plank, 10 pine bearing piles and 6 oak fender piles (345 linear feet) were driven and fastened, backing-log put on, also fenders, and the outer end of pier repaired ; used 3,994 feet, B. M., of yellow pine and 200 pounds of chain. Begun September 20, 1893, and finished April 23, 1894.

*Pier 19, E. R., West Half.*

Secretary's Order No. 13026.—Spring piles were pulled to place and refastened on outer westerly end of pier. Begun and finished July 18, 1893.

Secretary's Order No. 13095.—The sheathing on westerly half of pier was patched with 2,535 feet, B. M., of 3-inch spruce plank, and 14 half-round oak fenders were put on and fastened. Begun August 21 and finished September 6, 1893.

Secretary's Order No. 13371.—A mooring post was set, fastened and properly chocked ; used 720 feet, B. M., of yellow pine ; 4 half-round oak fenders were put on, and the sheathing patched with 298 feet, B. M., of 3-inch spruce plank. Begun December 20 and finished December 21, 1893.

Secretary's Order No. 13676.—Six bearing piles and a mooring pile were driven ; vertical fenders were put on, and sheathing on outer end of pier ; used 3,110 feet, B. M., of yellow pine ; 5 half-round oak fenders were put on ; also used 5,110 feet, B. M., of 3-inch spruce for sheathing westerly half of pier. Begun April 24 and finished April 30, 1893.

*Pier, new 29, E. R.*

Secretary's Order No. 12911.—The sheathing on deck of pier was patched with 6,693 feet, B. M., of 3-inch spruce plank. Begun July 20 and finished July 24, 1893.

Secretary's Order No. 13096.—The pavement at entrance to pier was repaired. Begun and finished August 16, 1893.

Secretary's Order No. 13331.—The pavement at entrance to pier was repaired, loose fender piles were pulled to place and refastened, and the sheathing on deck of pier was patched with 15,691 feet, B. M., of 3-inch spruce plank. Begun November 30, 1893, and finished January 5, 1894.

Secretary's Order No. 13399.—Holes in deck and sheathing of pier were repaired ; used 167 feet, B. M., of 4-inch and 504 feet, B. M., of 3-inch spruce. Begun March 22 and finished April 4, 1894.

*Bulkhead between Piers, new 29 and old 38, E. R.*

Secretary's Order No. 12947.—Holes on bulkhead were filled in, graded and the pavement relaid. Begun and finished July 12, 1893.

*Pier, new 32, E. R.*

Secretary's Order No. 12912.—Loose oak fender piles on outer end of pier were refastened and properly chocked ; used second hand material and 100 pounds of chain. The sheathing on deck of pier was patched with 12,368 feet, B. M., of 3-inch spruce plank. Begun June 12 and finished July 19, 1893.

Secretary's Order No. 13229.—One oak fender pile (55 linear feet) was driven, fastened and chocked on outer end of pier ; used 50 pounds of chain. Begun and finished October 28, 1893.

## General Repairs.

Secretary's Order No. 13388.—The sheathing on deck of pier was patched with 12,650 feet, B. M., of 3-inch spruce ; used 560 feet, B. M., of yellow pine for chocks. Begun December 15 and finished December 26, 1893.

*Pier 43, E. R.*

Secretary's Order No. 13612.—The pavement at entrance to pier was repaired and the sheathing on deck of pier was patched with 32,635 feet, B. M., of 3-inch spruce. Begun March 22 and finished April 4, 1894.

*Bulkhead between Pier 43 and 44, E. R.*

Secretary's Order No. 13238.—The bulkhead was repaired by excavating and removing old timbers and laying new courses of timbers ; used second-hand material. 12 new half-round oak fenders were put on. Mooring posts were set and necessary chocks put on ; the pavement was relaid on bulkhead. Begun October 10 and finished November 20, 1893.

*Pier 44, E. R.*

Secretary's Order No. 13010.—The sheathing on deck of pier was patched with 5,358 feet, B. M., of 3-inch spruce plank. Begun August 4 and finished August 5, 1893.

Secretary's Order No. 13332.—The sheathing on deck of pier was patched with 1,998 feet, B. M., of 3-inch spruce, 4 oak fender piles were driven and fastened in outer end of pier ; used 560 feet, B. M., of yellow pine for chocks. Begun December 13 and finished December 19, 1893.

Secretary's Order No. 13717.—The sheathing on deck of pier was patched with 20,240 feet B. M. of 3-inch spruce plank. Begun April 17 and finished April 25, 1874.

*Pier, 48, E. R.*

Secretary's Order No. 12567.—The sheathing on deck of pier was patched with 27,518 feet B. M., of 3-inch spruce plank : 15 half-round oak fenders were put on and properly chocked ; used 788 feet, B. M., of yellow pine ; the backing-log was also repaired. Begun May 6 and finished May 11, 1893.

Secretary's Order No. 12783.—The pavement at entrance to pier was repaired and new sheathing was laid on deck of pier ; used 10,718 feet, B. M., of 3-inch spruce. Begun May 12 and finished May 29, 1893.

Secretary's Order No. 13279.—A new mooring post was placed, fastened and chocked on inner end of pier. Begun and finished October 30, 1893.

*Pier 54, E. R.*

Secretary's Order No. 13305.—This pier was fenced-off from public use with 630 feet, B. M., of 4-inch and 2,595 feet, B. M., of 3-inch spruce. Begun December 12 and finished December 15.

*Bulkhead foot of Corlears Street, E. R.*

Secretary's Order No. 13350.—The pavement on bulkhead was repaired. Begun November 20 and finished November 29, 1893.

*Bulkhead foot of Delancey Street, E. R.*

Secretary's Order No. 13364.—The pavement on bulkhead was repaired. Begun January 5 and finished January 6, 1894.

*Pier 55, E. R.*

Secretary's Order No. 13239.—A new mooring post was set and fastened, the pavement at entrance to pier was repaired, and deck of pier patched with 2,000 feet, B. M., of 3-inch spruce. Begun October 28 and finished November 29, 1893.

## General Repairs.

### *Pier 56, E. R.*

Secretary's Order No. 13529.—The deck and sheathing on pier was patched with 2,563 feet, B. M., of 3-inch and 8,303 feet, B. M., of 4-inch spruce. Begun March 10 and finished March 21, 1894.

### *Pier 57, E. R.*

Secretary's Order No. 13130.—The repairs to this pier consisted in the driving of land piles, fender piles and bearing piles ; ranges, side caps and bench caps were renewed and necessary chocks put on ; the deck and sheathing on pier was also patched ; used second-hand material and 304 feet, B. M., of yellow pine and 16,623 feet, B. M., of 3 and 4 inch spruce. Begun September 25 and finished October 7, 1893.

### *Pier 60, E. R.*

Secretary's Order No. 13399.—The outer end of the pier was repaired. Begun March 20 and finished March 22, 1894.

### *Pier 61, E. R.*

Secretary's Order No. 12845.—The sheathing on deck of pier was patched with 5,040 feet, B. M., of 3-inch spruce. Begun May 15 and finished May 19, 1893.

Secretary's Order No. 12963.—Chocks were put on between fenders ; used 203 feet, B. M., of yellow pine ; the deck of pier was patched with 1,260 feet, B. M., of 3-inch spruce. Begun August 10 and finished August 11, 1893.

Secretary's Order No. 13608.—Chocking replaced and fender piles repaired on the north side of the pier. Begun March 3 and finished March 24, 1894.

### *Pier at Third Street, E. R.*

Secretary's Order No. 12871.—Chocks were put on and fastened between fenders on northerly side of pier. Begun and finished July 17.

Secretary's Order No. 13678.—Chocks were put on between fenders ; used second-hand materials. Begun and finished April 26, 1894.

### *Foot of East Eighteenth Street, E. R.*

Secretary's Order No. 13399.—The pavement leading to the Pier foot of East Eighteenth street, was repaired where settlement had taken place. Begun and finished March 9, 1894.

Secretary's Order No. 13399.—Fender piles and oak fenders that had been displaced were properly secured back to place. Begun April 4 and finished April 7, 1894.

### *Pier foot of East Twenty-fourth Street, E. R.*

Secretary's Order No. 12658.—The Pier at foot of East Twenty-fourth street was repaired in accordance with the above order. Begun May 8 and finished May 9, 1893.

### *Pier foot of East Twenty-sixth Street, E. R.*

Secretary's Order No. 12877.—The sewer-box at the outer end of the pier was repaired. Begun January 24 and finished February 23, 1894.

Secretary's Order No. 13602.—The necessary repairs to the Pier foot of East Twenty-sixth street were made in accordance with the above order. Begun March 3 and finished March 16, 1894.

### *Pier foot of East Twenty-eighth Street, E. R.*

Secretary's Order No. 12829.—The approach leading to the Pier foot of East Twenty-eighth street was repaired, in accordance with Dock Master's report. Begun May 8 and finished May 10, 1893.

## General Repairs.

Secretary's Order No. 12943.—Preparing a berth for frigate "New Hampshire." 13 oak piles were loaded on scow "S" at West Fifty-seventh street. Begun and finished August 25, 1893.

Secretary's Order No. 12943.—Thirteen white oak spring-piles were driven on southerly side of pier for a berth for frigate "New Hampshire." Begun August 28 and finished September 2, 1893.

Secretary's Order No. 13310.—The sheathing on deck of pier was patched with 16,908 feet, B. M., of 3-inch and 2,323 feet, B. M., of 4-inch spruce plank, and used 253 feet, B. M., of yellow pine for chocks. Begun November 8 and finished December 2, 1893.

Secretary's Order No. 13399.—The cleats on backing-logs on the Pier foot of East Twenty-eighth street were refastened and properly secured for mooring purposes. Begun and finished January 30, 1894.

Secretary's Order No. 13399.—A small cast-iron mooring post at south side of pier having broken, a second hand one was put in its place. Begun February 26 and finished March 2, 1894.

Secretary's Order No. 13399.—A second-hand mooring post was placed on the south side of pier for mooring purposes. Begun March 9 and finished March 10, 1894.

Secretary's Order No. 13399.—Oak fenders and oak fender piles were repaired. Begun April 6 and finished April 9, 1894.

*Pier at Thirty-eighth Street, E. R.*

Secretary's Order No. 13197.—A fender-pile was refastened and chocked; other necessary chocks were put on; used 148 feet, B. M., of yellow pine. Begun and finished October 4, 1893.

Secretary's Order No. 13502.—The sheathing on deck of pier was patched with 4,709 feet, B. M., of 3-inch and 540 feet, B. M., of 4-inch spruce plank. Begun January 15 and finished January 18, 1894.

*Bulkhead at Forty-eighth Street, E. R.*

Secretary's Order No. 12942.—The sunken places along the bulkhead were filled in, graded and pavement relaid. Begun August 17 and finished August 26, 1893.

*Bulkhead at Fifty-third Street, E. R.*

Secretary's Order No. 13311.—The deck on bulkhead was patched with 2,819 feet, B. M., of 3-inch spruce plank. Begun November 27 and finished November 29, 1893.

*Bulkhead at Fifty-fourth Street, E. R.*

Secretary's Order No. 13311.—The deck on bulkhead was patched with 594 feet, B. M., of 3-inch spruce plank. Begun and finished November 17, 1893.

*Pier at Sixty-second Street, E. R.*

Secretary's Order No. 13327.—The sheathing on deck of pier was patched with 3,280 feet, B. M., of 3-inch and 320 feet, B. M., of 4-inch spruce plank. Begun November 14 and finished November 17, 1893.

*Bulkhead foot of Seventy-fifth Street, E. R.*

Secretary's Order No. 13011.—The planking on bulkhead was repaired; used 2,685 feet, B. M., of 3-inch spruce; fenders, chocks and backing-log were renewed; used second-hand material and 256 feet, B. M., of new yellow pine. Begun August 16 and finished August 24, 1893.

*Bulkhead foot of Seventy-sixth Street, E. R.*

Secretary's Order No. 13011.—The planking on bulkhead was repaired; used 5,540 feet, B. M., of 3-inch and 1,343 feet, B. M., of 4-inch spruce plank. Begun August 12 and finished August 22, 1893.

## General Repairs.

*Approach to Bulkhead foot of Seventy-sixth Street, E. R.*

Secretary's Order No. 13293.—The planking on approach and bulkhead was repaired ; used 715 feet, B. M., of 3-inch spruce. Begun and finished November 17, 1893.

*Approach to Pier foot of Seventy-sixth Street, E. R.*

Secretary's Order No. 13752.—The deck of approach was patched with 2,520 feet, B. M., of 3-inch spruce plank. Begun April 14 and finished April 16, 1894.

*Lower Pier, foot of Eighty-sixth Street, E. R.*

Secretary's Order No. 13509.—Dangerous holes at entrance to pier were filled-in with stone and earth, graded and pavement relaid. Begun January 23 and finished February 8, 1894.

Secretary's Order No. 13604.—Eight pine bearing piles and 4 oak fender piles (224 linear feet) and a mooring pile were driven and fastened ; 7 half-round oak fenders were put on and the backing-log repaired. Begun March 1 and finished March 8, 1894.

*Upper Pier foot of Eighty-sixth Street, E. R.*

Secretary's Order No. 13383.—The sheathing on deck of this pier was patched with 5,806 feet, B. M., of 3-inch spruce. Begun December 9 and finished December 13, 1893.

Secretary's Order No. 13509.—Dangerous holes at entrance to pier were filled with stone and earth, graded and pavement relaid. Begun January 18 and finished March 8, 1894.

Secretary's Order No. 13603.—Two pine bearing piles and mooring piles were driven ; 7 half-round oak fenders were put on with necessary chocks ; the backing-log was also repaired. Begun March 1 and finished March 8, 1894.

*Foot of East Ninety-fourth Street, E. R.*

Secretary's Order No. 13399.—About placing a cleat upon the backing-log on the pier for mooring purposes. Nothing yet done under this order.

*Pier foot of East Ninety-fifth Street, E. R.*

Secretary's Order No. 13232.—A hole in deck of pier was repaired. Begun and finished October 13, 1893.

Secretary's Order No. 13609.—The sheathing of deck of Pier foot of East Ninety-fifth street was repaired. Begun March 8 and finished March 15, 1894.

*Foot of East Ninety-seventh Street, E. R.*

Secretary's Order No. 12954.—The wreck of an old canal-boat was broken up and removed from between the foot of East Ninety-sixth and Ninety-seventh streets. Begun June 17 and finished June 21, 1893.

## HARLEM RIVER.

*Bulkhead at One Hundred and Sixth Street, H. R.*

Secretary's Order No. 13000.—Forty-two loads of dirt and rubbish were removed from surface of bulkhead with horse and cart ; 3 second-hand fender piles were driven and fastened and the planking on bulkhead was repaired ; used 6,353 feet, B. M., of 3-inch spruce plank. Begun July 3 and finished September 2, 1893.

*Bulkhead at One Hundred and Seventh Street, H. R.*

Secretary's Order No. 13001.—Fifty-two loads of dirt and rubbish were removed from surface of bulkhead with horse and cart ; 9 second-hand fender piles were driven, fastened and chocked ; dangerous holes along the bulkhead were also filled, graded and pavement relaid. Begun July 8 and finished September 4, 1893.



*Pier at One Hundred and Tenth Street, H. R.*

Secretary's Order No. 13249.—The deck of pier was patched with 7,590 feet, B. M., of 4-inch spruce plank. Begun October 14 and finished October 19, 1893.

Secretary's Order No. 13399.—Fender piles at the northeast corner of Pier foot of East One Hundred and Tenth street were properly secured back to place. Begun March 7 and finished March 9, 1894.

Secretary's Order No. 13399.—8 by 8 inch horizontal fender chocks on the north side of pier were respiked and one chock replaced. Begun and finished April 20, 1894.

*Bulkhead at One Hundred and Twelfth Street, H. R.*

Secretary's Order No. 12973.—Eighteen loads of dirt and rubbish were removed from the surface of bulkhead. Begun and finished July 7, 1893.

*Foot of East One Hundred and Twenty-fifth Street.*

Secretary's Order No. 12873.—The pavement, where settlement had taken place, was repaired. Begun June 10 and finished June 19, 1893.

Secretary's Order No. 13250.—The pavement, where settlement had taken place, was repaired. Begun October 17 and finished December 6, 1893.

*Bulkhead at One Hundred and Twenty-ninth Street and Second Avenue, H. R.*

Secretary's Order No. 12975.—The railing along the avenue was repaired ; used 15 pieces of 2 by 4 inch spruce and 145 feet, B. M., of 3-inch spruce. Begun and finished August 19, 1893.

Secretary's Order No. 13164.—A bumper was placed and fastened to protect the fence. Begun and finished September 22, 1893.

*Pier at One Hundred and Thirty-ninth Street, H. R.*

Secretary's Order No. 13303.—A mooring post was set, fastened and properly chocked ; used 180 feet, B. M., of yellow pine. Begun and finished December 8, 1893.

*Bulkheads One Hundred and Thirty-eighth to One Hundred and Fortieth Streets, H. R.*

Secretary's Order No. 13232.—Sunken places along the bulkhead were filled, graded and the pavement relaid. Begun October 7 and finished November 3, 1893.

**FLOATING PROPERTY.**

The floating property of the Department consists of the following :

100-ton Derrick "City of New York."

12-ton Derrick No. 1.

12-ton Derrick No. 2.

12-ton Derrick No. 3.

10-ton derrick.

Tug "Manhattan."

Tug "Pier."

16 pile-drivers—Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.

15 deck scows—"B," "C," "D," "E," "F," "H," "I," "K," "L," "M," "N," "O," "P," "R," and "S."

5 divers' scows, "A," "G," "N," "S," "T."

Boring machine "Woodcock."



## Floating Property.

**Steam-launch "Inspector."**

**2 naphtha launches--Nos. 1 and 2.**

**28 yawl-boats, 1 skiff, 2 batteaux.**

**1 row-boat and 6 sounding-boats.**

**2 sets of land-ways, one 30 feet and one 45 feet high.**

**1 set of inclined 50-foot pile driver ways.**

### *The 100-ton Derrick "City of New York."*

(Built in 1871 and 1872.)

During the year the derrick has been engaged shifting, handling and loading on scows concrete, base blocks, sewer blocks, coping-stones, granite, etc., at East Seventeenth Street Yard, East Twenty-fourth Street Yard and West Fifty-seventh Street Yard, and set concrete base blocks, coping-stones, etc., in the bulkhead-wall on the North river sections and East river sections and did other miscellaneous work, as follows :

May 3, 1893.—Hoisted boiler and two tanks from St. John's Guild barge and placed it in East Seventeenth Street Yard for Board of Health.

May 4 and May 5, 1893.—Moved engine-house, anchor-block, mast, boom, etc., and placed them on scow at East Seventeenth Street Yard for West Fifty-seventh Street Yard.

May 15 to May 17, 1893.—Placed mast, boom, engine-house, anchor-blocks, guys, and turn-buckles on bulkhead at West Fifty-sixth and West Fifty-seventh streets.

May 18, 1893.—Placed ways on Pile-driver No. 11.

May 19, 1893.—Placed land-ways on West Fifty-seventh Street Pier.

May 29, 1893.—Placed inclined ways on scow "P" at West Seventy-fifth street for use at West Twenty-third Street Section.

June 7, 1893.—Placed scow "B" in the water at West Fifty-seventh street.

June 9, 1893.—Placed launch "Inspector" on West Fifty-seventh Street Pier for repairs and painting.

June 13, 1893.—Placed launch "Inspector" in the water at West Fifty-seventh Street Yard.

June 16, 1893.—Placed launch "Inspector" on deck of West Fifty-seventh street pier, and on June 19 placed launch in the water.

June 20, 1893.—Removed inclined ways from deck of scow "P" and placed them on scow "B" at West Fifty-seventh street.

July 7, 1893.—Placed scow of new Pile-driver No. 15 in the water at West Fifty-seventh Street Yard ; placed Naphtha Launch No. 2 on deck of derrick in order to letter the launch, and on July 8 placed launch in the water at West Fifty-seventh street.

July 11, 1893.—Removed inclined ways from Scow "B" and placed same on bulkhead at West Seventy-fifth street.

August 2, 1893.—Hoisted Pile-driver No. 8 out of the water, and placed on Pier at West Fifty-seventh street for repairs.

August 3, 1893.—Hoisted boom from 10-ton derrick and put it on the pier.

August 4, 1893.—Hoisted "A" frame, mast, engine-boiler and engine-house from 10-ton derrick and placed same on Pier at West Fifty-seventh street.

August 5, 1893.—Hoisted 10-ton derrick out of the water and placed it on Pier at West Fifty-seventh street for repairs.

August 10, 1893.—Hoisted up one end of Scow "F" for the purpose of calking side.

August 11, 1893.—Placed Pile-driver No. 8 in the water at West Fifty-seventh street, and hoisted out of water Pile-driver No. 1 and placed it on Pier at West Fifty-seventh street for repairs, and placed new ways on Pile-driver No. 15.

August 12, 1893.—Hoisted out of the water divers' Scow "S," and placed it on West Fifty-seventh Street Pier for repairs.

August 14, 1893.—Hoisted out of the water launch “Inspector” and placed it on West Fifty-seventh Street Pier for repairs.

August 16, 1893.—Placed divers’ scow “S” in the water at West Fifty-seventh street.

August 17, 1893.—Moved 11 cast-iron mooring posts from pier to bulkhead at West Fifty-seventh street.

August 18, 1893.—Placed Pile-driver No. 1 and launch “Inspector” in the water, and hoisted up the end of Pile-driver No. 3 to repair and calk.

August 30, 1893.—Moved section office on bulkhead at Stanton street.

September 12, 1893.—Placed new scow of Pile-driver No. 16 in the water.

September 13, 1893.—Hoisted out of the water divers’ scow “G” and placed it on Pier at West Fifty-seventh street, and placed engine, boiler, etc., on new Pile-driver No. 16; also turned up ways of Pile-driver No. 16.

September 22, 1893.—Placed hammer on Pile-driver No. 13.

September 25, 1893.—Placed divers’ Scow “G” in the water at West Fifty-seventh street, and placed new ways on Pile-driver No. 16; removed 2 pile-driver hammers from Pile-driver No. 10 and placed them on pier, and hoisted naphtha launch No. 1 out of the water and placed on deck for repairs.

September 26, 1893.—Placed naphtha launch No. 1 in the water at West Fifty-seventh street.

October 5, 1893.—Towed the derrick from West Fifty-seventh Street Yard to Erie Basin, and on October 7 the derrick went on balance dry dock for repairs, and Mr. James D. Leary, under Treasurer’s Order No. 17198, commenced cutting out decayed knees, timber, etc., in hull of derrick and replaced same with new; calked hull of derrick, furnished new cast-iron corner pieces, finished repairs, and left the balance dry dock on November 3, 1893, and was towed to West Fifty-seventh Street Yard.

November 16, 1893.—Removed landways from Scow “I” and placed them on East Twenty-fourth Street Pier.

November 27, 1893.—Placed new divers’ Scow “T” in the water at West Fifty-seventh Street Yard.

November 28, 1893.—Police Department inspected boiler of derrick.

November 29, 1893.—Placed 10-ton derrick in the water at West Fifty-seventh Street Yard; also placed engine, engine-house and “A” frame on deck of derrick.

December 1, 1893.—Placed mast of 10-ton derrick in position.

December 18, 1893.—Placed launch “Inspector” on West Fifty-seventh street Pier.

December 20, 1893.—Placed 2 leveling bars on divers’ scow at West Fifty-third street.

January 6, 1894.—Removed landways from East Twenty-fourth street Pier and placed them on scow “S.”

February 14, 1894.—Placed scow “R” on deck of West Fifty-seventh Street Pier for repairs.

March 7, 1894.—Placed scow “R” in the water at West Fifty-seventh street.

April 9, 1894.—Placed launch “Inspector” in the water at West Fifty-seventh street. The derrick was laid up for repairs to king post machinery, etc., from March 8 to April 9, 1894, and March 24 to April 7, 1894, inclusive. Messrs. Heipershausen Brothers, under Treasurer’s Order No. 17691, repaired the king post of derrick.

The force of the Department repaired corner, side, wearing pieces, tower, braces, deck, machinery, rigging, blocks, engines, steam pipes and fittings, circle, valves on boiler blocks, floor bands around the tower-house and king post; calked hull, boiler, etc.; cleaned boiler, grease off of king-post, rigging machinery, etc.; set up life lines on booms; overhauled engine, back stay; took down old wire bands and made new ones; put in new wire-rope fall and new wire rope around balcony on tower; put glass in windows of house; made patterns for rings, pistons, follower, template for king post, and put the derrick in first-class order.

## Floating Property.

Under Secretary's Order No. 12812.—Repaired the damage done to the derrick "City of New York," by the New York Central and Hudson River Railroad tug No. 6, on April 28, 1893. Begun May 11 and finished June 9, 1893.

### *The 12-ton Derrick No. 1.*

(Finished January, 1890, under unanimous resolution of the Board, April 25, 1889.)

The force of the Department repaired disc of cataract, centrifugal pump, boom, mast valve for pump, machinery, rigging, tackle-blocks, rail, wearing pieces, wheel of pump, iron work ; made and calked an additional water tank in hold of derrick ; fitted steam-pipes ; put glass in windows of house ; made hanging fenders, 12-foot ladders ; calked tank ; cleaned boiler, machinery, and kept in repair.

This derrick has been in commission almost constantly during the year.

November 9, 1893.—Police Department inspected boiler of derrick.

Joseph Edwards & Co., under Treasurer's Order No. 17229, furnished one shell for 8-inch cataract centrifugal pump and one back head for same on September 27, 1893.

January 19, 1894.—Alexander Pollock, under Treasurer's Order No. 1753, furnished one 8-inch cataract pump shell and hammered steel shaft for pump.

### *The 12-ton Derrick No. 2.*

(Finished December, 1891, under unanimous resolution of the Board, June 11, 1891.)

The force of the Department repaired machinery, cataract, centrifugal pump, windows of engine-house, fenders, rigging, roof of house, deck cleats ; put glass in windows of engine-house ; made hanging fenders, pipe covers for pump ; painted roof, house ; cleaned boiler, rigging, machinery.

September 25, 1893.—Police Department inspected boilers (2) of derrick.

October 30, 1893.—Joseph Edwards & Co., under Treasurer's Order No. 17322, furnished and repaired steel shaft, etc., of the 10-inch centrifugal pump.

This derrick has been in commission almost constantly during the year.

### *The 12-ton Derrick No. 3.*

(Finished August, 1892, under unanimous resolution of the Board, January 7, 1892.)

The force of the Department repaired cataract, centrifugal pump, corner bands, wearing pieces, chain plates for mast, boom, tackle-blocks, machinery, rigging, iron work ; made hanging fenders ; put glass in windows of house, cleaned boiler, machinery, rigging, etc.

July 13, 1893.—Police Department inspected boilers (2) of derrick.

This derrick has been in commission almost constantly during the year.

### *The 10-ton Derrick.*

(Built in 1874, and rebuilt under unanimous resolution of the Board, October 4, 1893.)

The force of the Department, under the above resolution, rebuilt, calked, painted and put in first-class order the scow, etc., of this derrick.

August 5, 1893.—The 100-ton derrick placed the scow of this derrick on West Fifty-seventh Street Pier for repairs ; the force of the Department cut out all the decayed and rotten timbers, knees and planks, etc., in hull and replaced same with new ; recalked the scow, made a new gallows frame, repaired machinery, fitted up boiler, rigging, and put in first class order ; also made hanging fenders ; painted and lettered.

November 29, 1893.—The 100-ton derrick placed scow of derrick in the water at West Fifty-seventh street ; also placed engine, engine-house, "A" frame, etc., on deck of 10-ton derrick ; cleaned boiler, machinery, rigging.

## Floating Property.

December 14, 1893.—Police Department inspected boiler. Finished repairs and went in commission on December 28, 1893. The old boiler formerly on the 10-ton derrick was condemned and sold at public sale.

November 27, 1893.—Lidgerwood Manufacturing Company, under Treasurer's Order No. 17381, furnished two 6-inch three ring pistons with springs.

This derrick has been in commission constantly since completion of repairs.

*Tug "Manhattan."*

(Built in 1874.)

1,241½ hours of actual work was done by the "Manhattan" during the year. Laid up for repairs and out of commission, as follows: May 1 to 7 and 13 to 31, 1893; June 1 to 30, 1893; July 1 to 31, 1893; August 1, 1893; November 15 and 18 to 30, 1893; December 1 to 25 and 27 to 30, 1893; January 1 to 11, 16 to 18 and 20 to 25, 1894; February 6, 7, 10 to 15, 17 to 25, 27 and 28, 1894; March 1 to 4, 6 and 7, 9 to 13, 18 to 21 and 23 to 26, 1894; April 4, 7 to 12, 18 to 22, 24 and 30, 1894.

May 13, 1893.—The United States Local Inspectors of Steam Vessels inspected the hull, machinery and boiler, and ordered that the boiler be thoroughly overhauled and repaired before a license would be granted, and on July 22, 1893, granted said license, as the repairs had been made.

June 21, 1893.—The tug "Pier" towed the "Manhattan" from West Fifty-seventh Street Yard to Pier 61, East river, and Messrs. Heipsershausen Brothers, under Treasurer's Order No. 16690, repaired the boiler of the "Manhattan" and finished same on July 21, 1893.

August 14, 1893.—The "Manhattan" ran into the Dexter Bath at the foot of West Thirty-fourth street and did some damage to same.

October 10, 1893.—While leaving the coal pier at Port Liberty, at about 11.15 A. M., the propeller-wheel of the "Manhattan" picked up a telegraph cable and had to call the assistance of hired tugs. After cutting the cable on both sides of the propeller-wheel the tug "Andrew J. White" towed the "Manhattan" and scow to Vesey street, and Department divers removed the cable from the propeller-wheel. Finished same at 8.10 P. M., and the "Manhattan" returned to West Fifty-seventh street.

December 5, 1893.—The "Manhattan" went on a trial trip to within a few miles of Sing Sing and returned to West Fifty-seventh street.

January 6, 1894.—The "Manhattan" struck against the scow "Paul" on the north side of West Fifty-sixth Street Pier and did some slight damage to scow "Paul."

The force of the Department made hanging fenders of oak, ladders, rudder tiller, forward bit, guards; calked deck; repaired machinery, rope bow fenders, deck, coal bunkers, rails, engines, pump, guard irons, life preservers, rope hand fenders, smoke-stack, guys, guards, brass on rails, wheel rope; cut away the overhang on upper deck, and laid new canvas on upper deck; painted deck, hull, boiler covering, hanging fenders, smoke-stack, and varnished pilot-house, cabin, etc.; cleaned boiler, machinery.

*Tug "Pier."*

(Built in 1891; Accepted January 25, 1892.)

Under Contract No. 366.

1,378 hours of actual work was done by the "Pier" during the year. Laid up for repairs and out of commission as follows: May 8 to 12 and 18 to 23, 1893; August 2 to 31, 1893; September 1 to 30, 1893; October 1 to 31, 1893; November 1 to 14, 16 and 17, 1893; December 26, 1893; January 12 to 15, 19, and 26 to 31, 1894; February 1 to 5, 8, 9, 16 and 26, 1894; March 5, 14 to 17, 22, and 27 to 30, 1894; April 1 to 3, 5, 6, 13 to 17, 23, and 25 to 29, 1894.

### Floating Property.

July 15, 1893.—At 7.30 A.M., the cable of the steam steering-gear broke when off West Fifty-seventh street ; repaired same and in commission again at 2.30 P.M. on same day.

August 4, 1893.—The "Pier" went to the Cowles Engineering Works at Forty-third street, South Brooklyn, and under Treasurer's Order No. 17068 the Cowles Engineering Company commenced repairs to boiler, and worked at same until August 28, 1893, when the work was stopped, as the Cowles Engineering Company made an assignment.

October 6, 1893.—The "Pier" was towed to Stanton street from Forty-third street, South Brooklyn, and Messrs. Heipershausen Brothers, under Treasurer's Order No. 17261, commenced to finish repairs to boiler of tug "Pier" begun by the Cowles Engineering Company, and finished same on November 8, 1893.

November 8, 1893.—The "Pier" went on screw dock between Piers 39 and 40, East river, and David Clark, under Treasurer's Order No. 16819, scraped and cleaned the bottom of said tug from the water-line down to the keel, and painted same with 2 coats of red lead and zinc, and 1 coat of Clark's anti-fouling paint. The "Pier" returned to West Fifty-seventh Street Yard on November 11, 1893.

November 16, 1893.—The "Pier" went on a trial trip as far as Sing Sing and returned to West Fifty-seventh street.

December 5, 1893.—George F. Blake, under Treasurer's Order No. 17414, repaired pump.

December 7, 1893.—The "Pier" struck the coal boat "Bertha," laying on the south side of West Fifty-fifth Street Pier, and did some damage to said canal boat.

January 20, 1894.—Messrs. Brown & Miller, under Treasurer's Order No. 17518, furnished one set of piston-rings for tug "Pier."

January 25, 1894.—The "Pier's" propeller-wheel was broken by striking against the bulkhead between One Hundredth and One Hundred and First streets, East river, but she was able to return to West Fifty-seventh Street Yard.

February 2, 1894.—The "Pier" was towed from West Fifty-seventh Street Yard to dry dock at Stanton street, East river, and on the 3d of February Messrs. Brown & Miller, under Treasurer's Order No. 17574, removed the broken propeller-wheel and fitted and keyed a new propeller-wheel on shaft of tug and returned to West Fifty-seventh street same day.

March 27, 1894.—The "Pier" broke her propeller-wheel at East Twenty-fourth Street Yard and returned to West Fifty-seventh street same day.

March 29, 1894.—The "Pier" was towed to Jersey City and Messrs. Brown & Miller, under Treasurer's Order No. 17710, removed the broken propeller-wheel and fitted and keyed a new propeller-wheel on shaft of tug ; finished same on March 30, 1894, and on March 31, 1894, the tug was again put on dry dock, and Messrs. Brown & Miller, under Treasurer's Order No. 17720, calked and lined after-shaft bearing of tug ; finished same on April 2, 1894.

April 12, 1894.—At 2.25 P.M. the propeller-wheel of tug "Pier" struck something at the outer end of Pier "A," North river, and broke off one of the blades of said wheel and returned to West Fifty-seventh Street Yard and laid up for repairs.

April 16, 1894.—The "Pier" went to Allison's dry dock at Jersey City, and Messrs. Brown & Miller, under Treasurer's Order No. 17737, removed the broken propeller-wheel and fitted and keyed a new propeller-wheel on shaft of tug ; finished same on April 17, 1894, and the "Pier" returned to West Fifty-seventh street.

The force of the Department repaired machinery, boiler, flags, wheel-rope, brass on rails, boiler, tubes, steam steering gear, engine, rope bow fenders, house, cavils inside of stanchions, whistle-rope ; made hanging fenders, ladders, flag-poles, windlass, hand-rope, fenders, grate bar patterns ; painted pilot-house, hull, hold, engine-room, steam-pipes, house, lettered life preservers, covered steam-pipes.

January 15, 1894.—Tested the fire-pump of tug "Pier."

October 30, 1893.—The United States Local Inspectors of Steam Vessels inspected the hull, machinery and boiler, and granted license to said tug.

Under Secretary's Order No. 12670, the force of the Department repaired the damage done to the tug "Pier" by the ferry-boat "Hudson City," on March 17, 1893. Begun repairs April 28, 1893, and finished same on May 22, 1893.

Secretary's Order No. 13711.—The tug was placed on the dry dock at Jersey City, under Treasurer's Order No. 17710. The old propeller-wheel was removed and a new one fitted and keyed on the shaft. Finished March 31, 1894.

#### PILE-DRIVERS.

##### *Pile-driver No. 1.*

(Built in 1871.)

FITTED UP WITH A SET OF 50 FEET VERTICAL WAYS.

The force of the Department repaired machinery, steam-pipes, leaks in hull, bottom, top end, windlass, ways, wearing pieces, chocks, fenders; house, etc., painted; calked deck, sides, ends and bottom; fastened deck cleats, iron work; cleaned boiler and machinery and kept in repair.

April 13, 1894.—Police Department inspected boiler.

August 11, 1893.—Placed on West Fifty-seventh Street Pier for repairs and calking; finished same and placed in the water on August 18, 1893.

August, 1893.—Removed the extra boiler and steam-fittings used on No. 1 while at work at Pier, new 14, North river.

This machine was fitted up with a boom and used as a derrick, and has been in commission from time to time during the year, setting granite, etc., in the bulkhead-wall. It is now at West Fifty-seventh Street Yard awaiting orders.

##### *Pile-driver No. 2.*

(Built in 1871.)

FITTED UP WITH A SET OF 50 FEET VERTICAL WAYS.

The force of the Department repaired pile-driver hammer, machinery, ways, wearing pieces, windlass, house, steam-pipes, hatch covers, etc.; painted, fitted and fastened chocks, deck-cleats, etc.; calked end, deck, etc.; covered steam-pipes; painted boiler covering; cleaned boiler and machinery and kept in repair.

June 20, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now at Pier, new 19, North river.

##### *Pile-driver No. 3.*

(Built in 1871.)

The force of the Department repaired tackle, machinery, wearing pieces, leaks in hull, ways, windlass, boiler, steam-pipes, deck chocks, house, etc.; fitted steam-pipes, pump; calked deck; cleaned boiler, engine and kept in repair.

October 20, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now awaiting orders at West Fifty-seventh Street Yard.

##### *Pile-driver No. 4.*

(Finished June, 1890, under unanimous resolution of the Board August 16, 1889.)

FITTED UP WITH A SET OF ADJUSTABLE WAYS, 60 FEET HIGH.

The force of the Department repaired head toggle on ways, ways, machinery, windlasses, wearing pieces, engine-house, coal bunkers, fenders, ironwork; painted and lettered, marked scale on ways, calked deck; cleaned boiler, machinery, and kept in repair.

### Floating Property.

May 19, 1893.—Police Department inspected boiler.

November 20, 1893.—Messrs. Greenlie, Wyatt & Co., under Treasurer's Order No. 17303, finished one set of ironwork for adjustable pile-driver.

This machine has been in commission from time to time during the year and is now at Pier, new 53, North river.

#### *Pile-driver No. 5.*

(Finished January, 1892, under unanimous resolution of the Board February 5, 1891.)

FITTED UP WITH A SET OF ADJUSTABLE WAYS, 60 FEET HIGH, AND PILE SAWING ATTACHMENT.

The force of the Department repaired house, turnbuckles and wire guys on ways, machinery, windlass, ways, bits, etc. ; fitted saw bolts for pile sawing apparatus ; painted, lettered, marked scale on ways ; fitted steam-pipes ; cleaned boiler, machinery and kept in repair.

November 10, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now at Pier, new 19, North river.

#### *Pile-driver No. 6.*

(Rebuilt in 1891 and 1892.)

FITTED UP WITH A SET OF VERTICAL WAYS, 60 FEET HIGH.

The force of the Department repaired machinery, ways, steam-fitting, fitted steam-pipes, calked tank ; cleaned boiler, machinery and kept in repair.

December 7, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now at work on general repairs.

#### *Pile-driver No. 7.*

(Built in 1874.)

FITTED UP WITH A SET OF VERTICAL WAYS, 50 FEET HIGH.

The force of the Department repaired bulkhead, end plank, house, ways, machinery, tank, iron work ; fastened deck-cleats, cleaned boiler and machinery, laid new floor in coal-bunkers ; painted, lettered and kept in repair.

May 11, 1893.—Placed this machine in water at West Fifty-seventh street. It was placed on West Fifty-seventh Street Pier for repairs on April 12, 1893.

November 23, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now at West Fifty-seventh street awaiting orders.

#### *Pile-driver No. 8.*

(Built in 1874.)

FITTED UP WITH A SET OF VERTICAL WAYS, 60 FEET HIGH.

The force of the Department repaired machinery, deck, siphon-pipe, ways, deck-cleats, etc. ; calked leak, sides, tank ; painted marked scale on ways ; cleaned boiler and machinery and kept in repair.

August 2, 1893.—Placed on West Fifty-seventh Street Pier for repairs and calking ; finished same and placed in water on August 11, 1893.

August 9, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now at West Fifty-seventh street awaiting orders.



*Pile-driver No. 9.*

(Built in 1888, under unanimous resolution of the Board, May 11, 1888.)

FITTED UP WITH A SET OF VERTICAL WAYS, 60 FEET HIGH.

The force of the Department repaired ways, windlass, engine-house, wearing-pieces, machinery, wire guys on ways, house, iron-work, etc. ; painted ; made stretcher for wire guys of ways ; cleaned boiler and machinery and kept in repair.

July 18, 1893.—Police Department inspected boiler.

January 19, 1894.—Alexander Pollock, under Treasurer's Order No. 17546, put new pinion on crank shaft of engine.

This machine has been in commission from time to time during the year and is now at West Nineteenth street.

*Pile-driver No. 10.*

(Built in 1881.)

FITTED UP WITH TWO SETS OF WAYS, VERTICAL AND INCLINED, 75 FEET HIGH.

The force of the Department repaired machinery, ways, bulkhead, engine frame, wearing pieces, side braces, iron work, etc. ; cut out old fore and aft bulkheads, and replaced same with new material ; cleaned boiler, machinery, and kept in repair.

May 26, 1893.—Police Department inspected boiler.

The force of the Department, under unanimous resolution of the Board, November 2, 1893, repaired ways, tank, hatches, machinery, fitted down engine bed, covered steam pipes, calked deck, painted house, ways, boiler covering, scale on ways, and put in first-class order.

This machine has been in commission from time to time during the year, and is now at work on West Fifty-seventh Street Yard improvement.

*Pile-driver No. 11.*

(Rebuilt in 1892 and 1893, under unanimous resolution of the Board, September 1, 1892.)

FITTED UP WITH A SET OF VERTICAL WAYS, 75 FEET HIGH.

The force of the Department finished building new scow, engine-house repaired and fitted up, old ways painted and lettered ; fitted up old boiler and engine, and put in first-class order, and on June 2, 1893, went into commission.

May 26, 1893.—Police Department inspected boiler.

The force of the Department also repaired machinery, cleaned boiler and machinery, and kept in repair.

This machine has been in commission from time to time during the year, and is now at Pier, new 53, North river.

*Pile-driver No. 12.*

(Finished November, 1890, under unanimous resolution of the Board, October 10, 1889.)

FITTED UP WITH A SET OF VERTICAL WAYS, 60 FEET HIGH, WITH PILE SAWING ATTACHMENT.

The force of the Department repaired hoisting drum of engine, machinery, pile cutting saw shaft, house, ways, wearing pieces, fenders, hatch covers, chocks, windlass ; put tar coating on roof of engine-house ; painted house, ways, etc. ; calked deck ; fastened iron work ; cleaned boiler, machinery, and kept in repair.

October 24, 1893.—Police Department inspected boiler.

This machine has been in commission from time to time during the year, and is now at Dey Street Section.



## Floating Property.

### *Pile-driver No. 13.*

(Finished September, 1892, under unanimous resolution of the Board, February 11, 1892.)

FITTED UP WITH A SET OF ADJUSTABLE WAYS, 60 FEET HIGH, WITH PILE SAWING ATTACHMENT.

The force of the Department repaired ways, machinery, engine-house, windlass, saw shaft ; fitted steam pipes ; calked deck ; cleaned boiler, machinery and kept in repair.

August 9, 1893.—Police Department inspected boiler.

November 22, 1893.—Lidgerwood Manufacturing Company, under Treasurer's Order No. 17555, put new pinion on crank shaft of engine.

This machine has been in commission from time to time during the year, and is now at work on the East River Sections.

### *Pile-driver No. 14.*

(Finished January, 1893, under unanimous resolution of the Board, February 11, 1892.)

FITTED UP WITH A SET OF ADJUSTABLE WAYS, 60 FEET HIGH, AND PILE-SAWING ATTACHMENT.

The force of the Department repaired ways, machinery, windlasses ; painted marked scale on ways ; made key for saw-shaft ; fitted steam-pipes ; cleaned boiler, machinery and kept in repair.

January 19, 1894.—Police Department inspected boiler.

This machine has been in commission from time to time during the year and is now at work on the East River Section.

### *Pile-driver No. 15.*

(Built by the force of the Department in 1893, under unanimous resolution of the Board, May 11, 1893.)

FITTED UP WITH A SET OF VERTICAL WAYS, 60 FEET HIGH.

(Begun May 22 and finished August, 1893.)

Its dimensions are as follows : Length of scow, 45 feet, width, 22 feet, depth, 4 feet 6 inches aft and 5 feet forward.

July 7, 1893.—Placed new scow in the water at West Fifty-seventh street ; place and fitted up new boiler, engine, steam-fittings.

August 9, 1893.—Police Department inspected boiler (new).

August 11, 1893.—Placed new set of vertical ways on scow.

September 6, 1893.—No. 15 went into commission at East Twenty-fourth Street Section. Since then the force of the Department repaired machinery, ways, etc. ; cleaned boiler, machinery, and kept in repair.

This machine has been in commission from time to time since completed and is now at work on the East River Sections.

### *Pile-driver No. 16.*

(Built by the force of the Department and finished October, 1893, under unanimous resolution of the Board, May 11, 1893.)

FITTED UP WITH A SET OF VERTICAL WAYS, 60 FEET HIGH.

Its dimensions are as follows : Length of scow, 45 feet, width, 22 feet, depth, 4 feet 6 inches aft and 5 feet forward.

September 12, 1893.—Placed new scow in the water at West Fifty-seventh street.

September 13, 1893.—Placed and fitted up new boiler, engine and steam-fittings.

September 25, 1893.—Placed new set of 60-foot vertical ways on scow.

October 2, 1893.—Police Department inspected new boiler.

October 16, 1893.—No. 16 went in commission at East Twenty-fourth Street Section. Since then the force of the Department repaired machinery, ways, etc. ; cleaned boiler, machinery and kept in repair.

This machine has been in commission from time to time since completed and is now at Pier, new 19, North river.

## DECK SCOWS.

*Scow "B."*

(Rebuilt in 1893, under unanimous resolution of the Board, February 2, 1893.)

The force of the Department, under the above resolution, rebuilt, calked, painted, lettered and put in first-class order.

June 7, 1893.—Placed scow in the water at West Fifty-seventh Street Yard. Since then, the force of the Department have kept this scow in repair.

*Scow "C."*

(Built in 1875.)

The force of the Department repaired ends, corner fenders, etc., and kept in repair.

*"Scow F."*

(Built in 1874.)

Fitted up with 10 pockets and used for carrying coal to the different parts of the work.

The force of the Department repaired deck cleats, fenders, corner bands, bits, coal pockets, etc ; calked and kept in repair.

*Scow "H."*

(Built in 1887, under unanimous resolution of the Board, December 8, 1886.)

The force of the Department repaired end fenders, wearing pieces, windlasses, corner bands, rails, bits, etc. ; calked end and side, fastened deck cleats, iron work ; painted, lettered, and kept in repair.

*Scow "D."*

(Built in 1875.)

The force of the Department repaired guard rails, wearing pieces, fenders, windlass, etc. ; fastened corner bands, removed steps and platform that were used on this scow during the naval review as a man-of-war landing, and kept scow in repair.

*Scow "E."*

(Built in 1875.)

The force of the Department repaired guard rails, fenders, wearing pieces, deck, corner bands, etc. ; calked deck and ends ; removed steps and platform that were used on this scow during the naval review as a man-of-war landing, and kept this scow in repair.

*Scow "I"*

(Built in 1887 and 1888, under unanimous resolution of the Board, December 8, 1886.)

The force of the Department repaired rails, end fenders, deck, corner post fenders, etc. ; painted and lettered ; calked ends and sides, and kept in repair.

*Scow "K."*

(Built in 1888, under unanimous resolution of the Board, December 8, 1886.)

The force of the Department repaired wearing pieces, rails, end fenders, etc. ; painted sides, rails, etc., lettered ; calked sides and kept in repair.

*Scow "L."*

(Built in 1889, under unanimous resolution of the Board, October 5, 1888.)

The force of the Department repaired fenders, rails, windlasses, corner bands, wearing pieces, etc., and kept in repair.

## Floating Property.

*Scow "M."*

(Finished October, 1892, under unanimous resolution of the Board, July 16, 1891.)

The force of the Department repaired fenders, hatches, windlasses, gratings, corner bands, wearing pieces, rail, etc., and kept in repair.

*Scow "N."*

(Built in 1890 and 1891, under unanimous resolution of the Board, May 22, 1890.)

The force of the Department repaired end fenders, rail, etc. ; calked deck and kept in repair.

*Scow "O."*

(Built in 1891, under unanimous resolution of the Board, May 22, 1890.)

The force of the Department repaired wearing pieces, end fenders, corner bands, windlass, rails, hatch gratings, etc. ; painted sides and ends, lettered ; calked deck, and kept in repair.

*Scow "P."*

(Finished March 25, 1893, under unanimous resolution of the Board, July 16, 1891.)

The force of the Department fitted up a temporary set of ways on this scow for use at West Twenty-third Street Section, South End, and removed same from scow on June 20, 1893. They also repaired windlass, fenders, wearing-pieces, and kept same in repair.

*Scow "R" (Scow of old Pile-driver No. 5).*

(Built in 1873).

The force of the Department repaired rail, deck, floor on deck, fenders, etc. ; fastened iron work, calked all over and put in first-class order ; also repaired damage done to scow by tug "William H. Vanderbilt" (see Secretary's Order No. 13088).

February 14, 1894.—Placed scow "R" on West Fifty-seventh Street Pier for repairs and calking ; finished same and placed scow in the water at West Fifty-seventh street on March 7, 1894.

*Scow "S" (Old Scow of Pile-driver No. 11).*

(Rebuilt in 1892, under unanimous resolution of the Board, September 1, 1892.)

FITTED UP WITH COAL-POCKETS AND USED FOR CARRYING COAL TO DIFFERENT PARTS OF THE WORK.

The force of the Department fitted up scow with coal-pockets, repaired hatches, sides, rails, deck, corner bands, etc. ; calked deck, fastened iron-work, made new hatches under coal-pockets for the purpose of storing ballast in the hold of scow, and put ballast in hold of scow and kept in repair.

All the deck scows have been in commission constantly during the year, except when laid up for repairs.

*Scow "U."*

(Under construction, under unanimous resolution of the Board, December 7, 1893.)

The force of the Department are now at work building a new scow 70 feet long, 30 feet wide and 7 feet 6 inches deep.

January 5, 1894.—Alexander Pollock, under Treasurer's Order No. 17506, furnished 6-inch hackmatack knees, 1-inch wedges, 1-inch locust treenails for this scow.

January 22, 1894.—William D. Wheelwright & Co., under Treasurer's Order No. 17476, furnished 4,651 feet, B. M., yellow pine.

January 24, 1894.—Greenlie, Wyatt & Co., under Treasurer's Order No. 17502, furnished ~~red~~ and black iron work, castings, etc.

## DIVERS' SCOWS.

*Scow "A."*

(Built in 1888, under Secretary's Order No. 8174.)

The force of the Department calked deck and kept scow in repair.

*Scow "G."*

(Built in 1883.)

The force of the Department repaired, calked, painted, made divers' ladder and kept scow in repair.

September 13, 1893.—Placed scow on West Fifty-seventh street Pier for repairs and calking, finished same and placed the scow in water on September 25, 1893.

Fitted up this scow with a stove and fittings.

*Scow "N."*

(Built in 1889, under Secretary's Order No. 9288.)

The force of the Department kept scow in repair.

*Scow "S."*

(Built in 1891, under unanimous resolution of the Board, February 5, 1891.)

The force of the Department made divers' ladder, put glass in windows, repaired wearing pieces, painted, calked and kept in repair.

August 12, 1893.—Placed scow on West Fifty-seventh street Pier for repairs and calking ; finished same and placed the scow in the water on August 16, 1893.

*Scow "T."*

(Built by the force of the Department and finished March 1, 1894, under unanimous resolution of the Board, June 1, 1893.)

Its dimensions are as follows : Length, 34 feet, breadth, 17 feet, depth, 3 feet 6 inches.

November 27, 1893.—Placed scow in water at West Fifty-seventh Street Yard. Begun September, 1893, finished March 1, 1894.

All the divers' scows are in commission at present.

*Boring Machine "Woodcock."*

(Built in 1870.)

The force of the Department repaired sounding pipes, machinery, windlass-house, rails, bits, wearing pieces, rods, ironwork, etc.; put glass in windows of house, fitted steam-pipes, put up shelves and lockers in house, cleaned machinery, boiler and kept in repair.

July 13, 1893.—Police Department, inspected boiler.

The borer has been in use from time to time, as follows :

May 31 to June 13, 1893.—At East Twenty-fourth Street Section.

July 8 to October 11, 1893.—At West Twenty-third Street Section, and used as a divers' scow.

November 2 to 17, 1893.—At East Ninety-first Street Section taking borings, and is now awaiting orders at West Fifty-seventh Street Yard.

*Steam Launch "Inspector."*

(Built in 1892, under Contract No. 408.)

The force of the Department repaired machinery, steam-pipes, shaft, sides, stern fenders, deck, floor, covers of cushions, curtains, etc. ; made hand rope and cork fenders, ladder, canvas covers for seats ; also curtains to cover the entire launch when out of the water and laid up for the winter, straps for life preservers ; painted, varnished and gilded medallion ; lettered life preservers, cleaned boiler and machinery, etc. ; calked and kept in repair.

**Floating Property.**

June 9, 1893.—Placed on West Fifty-seventh Street Pier for repairs and painting ; finished same and placed in the water on July 13, 1893.

July 16, 1893.—Placed on West Fifty-seventh street for repairs, finished same and placed in the water on July 19, 1893.

August 14, 1893.—Placed on West Fifty-seventh Street Pier for repairs and painting. finished same and placed launch in the water on August 18, 1893.

December 18, 1893.—Placed launch on West Fifty-seventh Street Pier for the winter ; thoroughly overhauled, repaired and painted and placed in the water at West Fifty-seventh street on April 9, 1894.

November 9, 1893.—The Blake pump of the launch gave out, and on November 11, 1893, the Blake-Knowles Manufacturing Company, under Treasurer's Order No. 17369, repaired same.

April 24, 1894.—The United States Local Inspectors of Steam Vessels inspected the launch "Inspector."

*Naphtha Engine Launch No. 1 (21 feet).*

(Built in 1888.)

The force of the Department repaired rope fenders, engine, steering gear, pump, deck cleats, etc. ; put in new wire tiller rope, laid new deck, calked deck, painted, varnished and lettered launch, made fenders and canvas covers for deck ; cleaned engine, paint work, etc., and kept in repair.

September 25, 1893.—Placed launch on pier for repairs, finished same and placed in the water on September 26, 1893.

August 30, 1893.—The Gas Engine and Power Company, under Treasurer's Order No. 17165, repaired engine with new gear wheel, new coil and tank.

*Naphtha Engine Launch No. 2.*

(Built in 1893.)

July 6, 1893.—The Gas Engine and Power Company, under Treasurer's Order No. 17020, furnished one 25-ft. naphtha launch, cedar planked, oak frame, copper fastened, with coamings around cock-pit with 4-horse power motor, flag poles, sockets, etc.

The force of the Department painted, lettered and varnished ; repaired engine, canvas covers, life preservers ; put in new wire tiller rope ; made fenders, canvas covers, life preservers ; cleaned engine, paint work, etc., and kept in repair.

July 24, 1893.—William Lynch, under Treasurer's Order No. 17044, furnished awnings and poles, and under Treasurer's Order No. 17065, furnished cork cushions in eight parts.

The naphtha engine launches have been in use from time in examination of water-front and in carrying tools, men and small parcels to different parts of the work.

*Small Boats.*

The force of the Department has repaired, calked, painted and lettered yawl boats, etc., from time to time, as required to keep them serviceable.

October 7, 1893.—Raymond Life-boat Company, under Treasurer's Order No. 17124, furnished one 14-ft. yawl boat for use of surveying party as a sounding boat.

November 26, 1893.—Yawl Boat No. 22 was lost at One Hundred and Second Street Section.

*Landways.*

The landways have been kept in repair by the force of the Department and are now at the following places :

The set 30 feet high at West Seventy-fifth street.

The set 45 feet high at West Fifty-seventh street.

The set of 50 feet inclined ways at West Seventy-fifth street.

*Rock-drilling Machine.*

The force of the Department removed all the drilling outfits from the three floats and stored same away at West Fifty-seventh Street Yard for future use. Two of the floats were taken to One Hundred and Twenty-fifth street, Harlem river, to be used as a boat-landing, the other was fitted up as a boat landing (for launches) at West Fifty-seventh Street Yard.

*Pier "A," North River, and Building Thereon.*

The force of the Department repaired building, furniture, rolling shutters, steam-fittings, pipes, roof and wind-gauge; repaired vestibule floor, under Secretary's Order No. 13368; varnished floor of Room 2, packed valves on boilers, made and fitted up new wind-gauge, made a book-case for Rooms 2, 14 and 21, and closet for fire-proof room; cleaned boilers and attended to boilers used for heating purposes.

August 29, 1893.—Messrs. Hine & Robertson, under Treasurer's Order No. 17071, relined fire-box of boiler, put up a set of shaking and dumping grate-bars under boiler used for supplying steam for heating building.

August 25, 1893.—Police Department inspected boilers Nos. 1 and 2, used for supplying steam for heating; unloaded from scows and placed in coal-bins on pier 132 gross tons egg coal, furnished under Treasurer's Orders Nos. 17284, 17457 and 17561, and Contract No. 462, from time to time, as required.

*East Seventeenth Street Yard.*

The force of the Department removed the property of the Department to East Twenty-fourth Street Yard and West Fifty-seventh Street Yard.

*East Twenty-fourth Street Yard.*

The force of the Department placed material, etc., removed from East Seventeenth Street Street Yard; fitted up boiler, machinery, derrick, etc.; repaired and cleaned boiler, machinery, and kept in repair.

September 26, 1893.—Police Department inspected boiler.

November 13, 1893.—H. W. Johns Manufacturing Company, under Treasurer's Order No. 17258, covered boiler with fire-felt, 1½ inches thick, and superator jacket; covered sundry steam-pipes with fire-felt canvas and bands.

November 20, 1893.—Messrs. Greenlie, Wyatt & Co., under Treasurer's Order No. 17303, supplied swivel sheave.

*Miscellaneous Work Done at West Fifty-seventh Street Yard.*

The force of the Department repaired metal hand-pumps, augers, tools, tackle and purchase blocks, float stages, water-pipes, pipe, vise, ladders, sounding rods and tripod for surveyors; put up shelves in paint shop, storehouse; painted blocks, ironwork, tide gauge staffs; made ladders, pike poles, tide gauge staff, hanging fenders for scows, plugs for pump holes, windlass flag poles, templates, heaves, stakes for surveyors, snow rakes, etc.

Built a model of a pier for use at Pier "A," North river. Heated pitch; filed cross-cut saws and augers; spun oakum; lettered patterns and attended to floating property laid up; built and painted two small portable houses, Nos. 5 and 6, for use of watchmen on scows; put up a railing in office of Superintendent of Machinery.

Machine Shops.—Put up shelves, cleaned boiler, engine, etc., attended to running of circular engine, etc., machinery, etc., repaired roof, fitted up new Draper planer.

September 14, 1893.—Police Department inspected boiler.

December 11, 1893.—Niles' Tool Works Company, under Treasurer's Order No. 17411, furnished one 12-inch planer vise.

Testing Room.—Put up shelves, tested iron, stone, steel.

## Floating Property.

**Blacksmiths' Shop.**—Made and repaired iron work, sharpened tools for North river and East river sections, general repairs, timber basins and floating property, and did the work required of the blacksmiths.

November 29, 1893.—Messrs. Heipershausen Brothers, under Treasurer's Order No. 17326, furnished one cast-iron surface plate.

**Coal Pockets,** (unanimous resolution of the Board, November 16, 1893).—The force of the Department built coal-pockets, engine-house, fitting up mast, booms, steam-pipes, scales, weighing machines ; covered steam-pipes ; boxed in water and steam pipe to connect with engine to be used in loading and unloading coal on the outer end of West Fifty-seventh Street Pier. The Department received  $632\frac{1}{2}$  gross tons egg coal, under Contract No. 462. Repaired deck, chocks, etc., of West Fifty-seventh Street Pier.

**Stone Yard.**—Fitted up boiler, engine, mast, booms, blocks, rigging, engine-house, etc., on the bulkhead between West Fifty-sixth and Fifty-seventh streets, for use as a derrick for hoisting granite, etc. ; repaired machinery-house, painted engine-house, cleaned boiler and machinery, put braces under guys, connected water.

November 11, 1893.—Lidgerwood Manufacturing Company, under Treasurer's Order No. 17349, bushed drum of derrick engine.

January 25, 1894.—Police Department inspected boiler.

**Secretary's Order No. 12683.**—The force of the Department prepared the necessary boards for posting along the new land west of West street, for the purpose of advertising the rule forbidding the storage of trucks thereon. The same were distributed as follows, viz : Dock Masters' Offices, Districts Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, one or two at each district, 24 in all ; also furnished one each at the following offices : West Forty-fourth street, Jay street, Vesey street, West Fifty-seventh Street Yard fence, Jackson street, East Ninety-sixth street, One Hundred and Second street, One Hundred and Fifth street, One Hundred and Tenth and One Hundred and Twenty-fifth street ; fence at Barrow street and for use of Mr. Bensel 8, and Mr. McCarthy 6, making a total of 49 made and distributed.

**Secretary's Order No. 13035.**—The force of the Department repaired the damage done to the barge "Lizzie K. Budd" caused by the "Pier" July 20, 1893.

**Secretary's Order No. 13058.**—The force of the Department have repaired the damage to scow "R" caused by the tug "William H. Vanderbilt." Begun August 8, 1893, and finished November 13, 1893.

**Secretary's Order No. 13087.**—The force of the Department repaired the damage to divers' scow "S," caused by the tug "William H. Vanderbilt," at a cost of \$62.39. Begun August 11 and finished August 16, 1893.

**Secretary's Order No. 13127.**—The force of the Department repaired the roof of office occupied by Dock Master, District No. 4, at Barrow street. Begun and finished August 28, 1893.

**Secretary's Order No. 13226.**—The Department furnished the supply requested by Dock Master for his office at Vesey street, North river, as follows : one (1) ton of coal ; one (1) pane of glass put in ; one (1) outside stove pipe connection.

**Secretary's Order No. 13147.**—The force of the Department built a new portable office on wheels, 10 by 15 feet. Begun September 8 and finished October 26, 1893.

October 26. —This house was placed on East Thirty-first Street Pier for use of Dock Master, District No. 7.

The force of the Department built a new portable office, 10 by 15 feet. Begun September 8 and finished October 26, 1893.

October 25.—This house was placed on West Thirty-fourth Street Pier for use of Dock Master, District No. 8. This office was built for Ninety-first street section, under unanimous resolution of the Board, May 25, 1893.

4th of the above offices are fitted up with new stoves and fittings complete.



## Floating Property.

Secretary's Order No. 13258.—The force of the Department built, painted and fitted up a new portable office on wheels, 10 by 15 feet, for the Dockmaster, on the Pier at West Thirty-fourth street. Begun October 21 and finished November 28, 1893. The Department purchased the following material for this office, viz. :

November 2, 1893.—Alexander Pollock, under Treasurer's Order No. 17316, furnished axles, wheels, boxes, etc., for office.

November 3, 1893.—Carroll Box and Lumber Company, under Treasurer's Order No. 17325, furnished lumber, door, sashes for office.

November 18, 1893.—M. M. Corwin & Co., under Treasurer's Order No. 17380, furnished stoves and fittings for office.

Secretary's Order No. 13325.—The force of the Department made the necessary repairs to scow "Paul," belonging to H. A. Howell & Son, damaged by the tug "Manhattan." Begun and finished November 17, 1893.

Secretary's Order No. 13399.—The force of the Department replaced the broken glass in windows of Dock Master's Office near Seventy-fifth street, North river, at cost of \$1.65. Begun and finished April 11, 1894.

Secretary's Order No. 13554.—Under the above order there was purchased under Treasurer's Order No. 17653, 12 blue denim working suits, 4 engineer's working suits, 16 white duck hats for use of deck hands.

Secretary's Order No. 13648.—The force of the Department repaired the damage done to scow, "K," on March 10, 1894, by the ferryboat "Oregon." Begun March 23 and finished March 26, 1894.

*Miscellaneous Work Done at other Localities by the Force of the Department.*

Painted and put glass in office windows at West Forty-fourth street; repaired water-pipes at Pier, new 19, North river; Pier, new 43, North river, West Fifty-second Street Section, north end; West Fifty-fourth Street Pier, East Ninety-first Street Section; also removed water-pipes at West Fifty-fourth Street Pier; put glass in office windows, painted stoop and shelves, repaired roof, made and fitted up new closet, blue print racks, lettered sign boards, repaired old locks.

Riker's Island.—The force of the Department made and fitted up box for automatic tide-gauge; flag-pole for Riker's Island; also made mallets, iron work, awning for office; erected buildings for use thereat.

East Ninety-first Street Section (under unanimous resolution of the Board, May 25, 1893).—The force of the Department built, painted and fitted up a new portable office on wheels, 10 by 15 feet, for use at East Ninety-first Street Section. This office was built to replace the office left at West Thirty-fourth street for use of Dock Master, District No. 8. Begun October and finished November, 1893.

Dock Master's Offices.—Repaired office of District No. 2, at Vesey street; repaired door of office, District No. 8, at West Thirty-fourth street; laid new floor and put glass in office windows, District No. 12, at West Seventy-fifth street.

## Department Yards.

## DEPARTMENT YARDS.

*West Fifty-seventh Street Yard, N. R.*

## WORK DONE AT THE YARDS.

Blacksmith's Account, from May 1 to June 23, 1893.—Iron-work was made and repaired and stonecutters' tools sharpened by blacksmith in work of construction for the North river sections, general repairs account, surveying party, floating property and improvements at West Fifty-seventh Street Yard, North river. Resolution of the Board, September 29, 1892.



**Department Yards.**

Inspectors, ship-carpenter, foreman laborers, dock-builders and laborers were engaged, from May 1, 1893, to April 30, 1894, stripping and setting up moulds and cores, shifting runs, mortar-boxes, turning platforms and making concrete.

The following concrete blocks were fabricated for the bulkhead-wall :

20 " A " standard bulkhead-wall blocks, containing.....	671.00	cubic yards.
34 " Z " special concrete blocks, containing.....	1,292.00	"
17 " W " special base blocks, containing.....	368.22	"
16 " X " special base blocks, containing .....	410.56	"
12 " Y " special base blocks, containing .....	408.00	"
5 supplementary top blocks, containing.....	16.50	"

Also engaged laying new concrete-block platform and grading in extension of yards ; painting storehouses, smith shops, etc., account of Secretary's Order No. 12745 ; digging post holes and placing posts, etc., for temporary pavement to approach to Pier foot of Fifty-fifth street, North river, account of West Fifty-second Street Section, North river, north end ; loading concrete material on scows for West Fifty-second Street Section, North river ; Twenty-third Street Section, North river, south end ; cleaning snow from yards, platform, sand and stone bins and pier ; ripping up railroad and turning platforms ; receiving and piling lumber, galvanized and corrugated iron, bolts, hoppers, etc. ; preparing timber, digging trenches and making and placing concrete for under-structure, driving piles and placing timber for sand and stone bins ; testing room, carpenter shop, machine shop and storehouse ; loading scow with earth from excavations for foundations, account of Concrete Mixing Platform. Resolution of the Board, February 1, 1894.

12,486 barrels of Portland cement were received and stored, and samples tested and results recorded. Samples of 16,082 barrels of Portland cement received at East Twenty-fourth Street Yard were tested and results recorded.

Account of Timber Basins, North river.—Inspectors and Dockbuilders were engaged from November 4, 1893, to April 30, 1894, receiving and inspecting yellow pine timber, under Contracts Nos. 448, 456 and 470 and Treasurer's Order No. 17158 ; also engaged getting out and rafting timber for new Piers at One Hundred and Second street, East river, One Hundredth street, East river, Ninety-sixth street, East river, Ninety-first street, East river, Twenty-ninth street, East river, Twenty-fourth street, East river, Stanton street, East river, Pier, new 19, North river, Pier, new 43, North river, Pier, new 53, North river, new Pier at Fifty-fourth street, North river, Warren Street Section, North river ; Contract No. 434 at Canal Street Section, North river, West Twenty-third Street Section, North river, south end ; West Fifty-second Street Section, North river, north end ; pavement between Twenty-fourth and Twenty-sixth streets, North river ; bulkhead between Seventy-seventh and Seventy-ninth streets, North river ; new deck scow. Resolution of the Board, December 7, 1893. Coal-pockets on Fifty-seventh Street Pier, North river, and concrete mixing platform and sand and stone bins, account of resolution of the Board, February 1, 1894 ; also general care of and maintenance of timber in basins at Fifty-second street, Fifty-fourth street, Fifty-eighth street and Seventy-fifth street, North river.

Tests were made from the following sample barrels of Portland cement, under Secretary's orders, and the results reported and recorded Secretary's Order No. 12809, test of Hoyle, Robson & Co. brand, Secretary's Order No. 13067, test of Scale's brand, Secretary's Order No. 13069, test of Braunschweiger brand, Secretary's Order No. 13185, test of Alpha brand, Secretary's Order No. 13428, test of Condor brand, Secretary's Order No. 13489, test of F. B. & Co. brand, Secretary's Order No. 13492, test of Key brand, Secretary's Order No. 13513, test of Condor brand, Secretary's Order No. 13526, test of Atlas brand, Secretary's Order No. 13552, test of Liberty brand, Secretary's Order No. 13776, test of J. B. White Bros'. brand.

*East Seventeenth Street Yard.*

REMOVAL OF DEPARTMENT PROPERTY.

Under Secretary's Order No. 12570.

May 1 to May 15, 1893.—Engine-house and boiler with concrete anchor-blocks were loaded on scows by the derrick "City of New York," and transferred to the West Fifty-seventh Street Yard; broken stone and sand were loaded on scows, a part of which was transferred to the West Fifty-seventh Street Yard, and the balance, with the blacksmith's shop, was sent to the East Twenty-fourth Street Yard.

Engineer's Order.

May 3, 1893.—Boiler and tanks were hoisted from the Hospital Barge and placed on the bulk-head by the derrick "City of New York," per request of the Health Department.

*East Twenty-fourth Street Yard.*

Under Unanimous Resolution of the Board, September 29, 1892.

CONSTRUCTING A YARD.

BUILDING AND PAINTING FENCE.

May 1, 1893, to April 30, 1894.—The gates at entrance to yard and the lower portion of the fence inclosing same were painted with a mixture of red-lead and linseed-oil; the gates were secured with bolts and lettered on the outside, "Department of Docks, East Twenty-fourth Street Yard."

BLOCK AND MIXING PLATFORMS.

Backing-logs were framed and placed on the mixing platform and a railing placed about the platform to prevent accidents.

SAND AND STONE BINS.

Bins for broken stone and sand were constructed and fitted up on the new Pier foot of East Twenty-fifth street, and chutes were connected with the bins, by which the broken stone and sand could be loaded upon scows; a galvanized iron roof was placed over the bins, and the bins sided up with galvanized sheet-iron and painted; also a bridge was built to connect the sand and stone bins with the elevated mixing platform.

TRAMWAY.

Timber was framed and placed on sides of new Pier foot of East Twenty-fifth street, on which the traveling-crane was constructed for handling granite at this yard; the "Z" bars, used as protectors for wires leading from the dynamo in engine-house to motor on traveling-crane, were painted, and a steel track placed on the tramway on which the crane is to travel.

CEMENT HOIST.

A tower was erected and an elevator placed to hoist the cement from floor of cement shed to the mixing platform above.

CEMENT SHED.

Trolleys for handling cement were placed on the "I" beams, and the doors of shed hung to place.

BOILER AND ENGINE HOUSE.

A boiler-house was put up in the yard, a boiler and dynamo placed therein, and an engine placed on the new pier and housed in. The houses of both were painted and the necessary water, waste, steam and exhaust pipes fitted and connected with the boiler and engine.

## Department Yards.

### COAL PLATFORM.

A platform was put up on the south side of the cement shed, to be used in transferring coal from the bins to the boiler-house; also a platform was made and scales placed thereon for weighing coal.

### TRAVELING CRANE.

A traveling crane was built upon the tramway by which granite could be loaded and unloaded from scows, and a house was built and painted to cover the machinery which operates the traveling crane.

### WORK DONE AT THE YARD.

May 1, 1893, to May 1, 1894.—Moulds and cores were set up and taken down as required to make the concrete blocks, and the following blocks were made: 11 standard "A," 108 standard "B," 3 specials for Stanton Street Section, 2 specials for East Ninety-ninth Street Section, 1 special for East One Hundred and Second Street Section and 16 specials for the East Ninety-first Street Section, containing about 5,207 cubic yards of concrete.

Iron work was made and repaired by the blacksmiths for construction work on the East river and for maintenance of yard.

16,609 barrels of Portland cement were received and stored for Department use, and samples sent to the West Fifty-seventh Street Yard to be tested and recorded, 2,100 barrels of which were rejected as the samples sent to the West Fifty-seventh Street Yard failed to pass the prescribed tests, and the contractors were notified to remove the same. 200 barrels were issued from the West Fifty-seventh Street Yard.

Granite, cement, sand and broken stone were loaded on scows as required for use on the East and North River Sections.

Broken stone, sand and coal were hoisted from scows and schooners as delivered to the bins, under contract and Treasurer's orders therefor.

Profiles and oak wedges were made for use in setting granite; poles were made to hold awnings used by the stone-cutters; tool-houses were made for use on the pier foot of East Twenty-ninth and East Ninety-sixth streets, and for the East Ninety-first and East Ninety-ninth Street Sections; templets were made for sewer at the East Twenty-fifth Street Section.

### MAINTENANCE OF YARD.

May 1, 1893, to April 30, 1894.—Moulds and cores were made, altered and repaired as required: old empty cement barrels were collected and piled up; granite spalls from about the granite dressed at the yard were collected and deposited in front of the bulkhead-wall at the East Twenty-fifth Street Section; old scaffolding and ruins were taken down, and the old material about the yard was transferred and stored on the Pier foot of East Twenty-fifth street; water pipes about the yard were boxed in to protect them from the frost, and repaired at various times where required; a platform was put down at the east end of the cement shed, to receive and deliver cement upon; the yard derrick was looked after and kept in repair; oak wedges were made for general use about the yard; slides on chutes attached to the sand and broken stone bins were oiled from time to time as required. 15 loads of manure were received free of charge and placed and dug in on the newly-made ground in the yard and seeded down for grass. The yard engine was cleaned and repaired at various times as required. Mooring posts were moved from the outer end of the East Twenty-fourth Street Pier (reserved for Department use), and 4 galvanized iron cleats placed on the backing-logs for mooring purposes. Pavement, where settlement had taken place at the entrance to the yard, was taken up and relaid to the proper grade. Flagging at entrance to the office was taken up and relaid, and flagging placed in front of the door to the boiler-house. The yard, cement shed, shops, concrete block and mixing platforms were cleaned at various times during the year, and the old rubbish burnt up on the newly-made ground foot of East Twenty-fifth street. Snow was cleaned from concrete block and mixing platforms, scows, roadway about the yard, and from the buildings in the yard.

**TIMBER BASINS.***Between West Fifty-fourth and West Fifty-fifth Street Piers.*

Secretary's Order No. 13498.—Twenty-two piles were driven for timber basin between West Fifty-fourth and West Fifty-fifth street Piers, and boom stages were placed in basin. Begun January 13 and finished January 27, 1893.

*At West Seventy-fifth Street Timber Basin, N. R.*

Engineer's Order.—Watching and caring for timber basin. In progress.

*East One Hundred and Twenty-fifth Street.*

Secretary's Order No. 13191.—The replacing of 16 piles at this basin under this order was done by Yellow Pine Company, under permit of Board to said company. Begun October 6 and finished October 7, 1893.

## Sale of Old Material.

**SALE OF OLD MATERIAL AT PUBLIC AUCTION.**

The following old material was sold at public auction on June 26, 1893, and was removed by the purchasers :

*At the Basins at East Ninety-ninth and One Hundredth Streets, E. R.*

Lot 1. About 800 pile butts from 20 to 22 feet in length and not less than 12 inches in diameter at the small end. To be sold in lots of 100 each, with privilege of taking the whole or as many lots as the purchaser desires.

*At West Fifty-seventh Street Yard.*

Lot 2. One lot of old wrought-iron.

" 3. One lot of old cast-iron.

" 4. One lot of old boiler tubes.

" 5. One lot of old canal barrows.

" 6. One lot of old rubber boots.

The following old material was sold at public auction on August 30, 1893, and was removed by the purchasers :

*At the Basin at East Ninety-ninth and One Hundred and Second Streets, E. R.*

Lot 1. About 100 long pile butts from 13 to 22 feet in length and not less than 12 inches in diameter at the small end. To be sold in lots of 100 each, with privilege of taking the whole or as many lots as the purchaser desires.

The following old material was sold at public auction on December 21, 1893, and was removed by the purchasers :

*At West Fifty-seventh Street Yard.*

Lot 1. About 7,600 pounds of old wrought-iron.

" 2. About 5,700 pounds of old cast iron.

" 3. About 2,200 pounds of old rope ; an old boiler, 3 by 8 feet.

*At East Twenty-fourth Street Yard.*

Lot 5. About 2,034 pounds of old cast-iron.

" 6. About 5,000 pounds of old wrought-iron.

" 7. About 42 pairs of old rubber boots.

" 8. About 75 old shovels.

" 9. About 200 feet of old rubber-hose.

" 10. About 12 old wheelbarrows.

" 11. About 7 old oil barrels.

## Sale of Old Material.

*At East Ninety-ninth Street Section, E. R.*

Lot 12. About 250 (more or less) old pile butts.

The following old material was sold at public auction on April 2, 1894, and was removed by the purchasers :

*At West Fifty-seventh Street Yard.*

Lot 1. About 3,800 pounds of old cast-iron.

" 2. About 700 pounds of old wrought-iron.

" 3. About 1,800 pounds of old rope.

*At East One Hundred and Second Street Yard.*

Lot 4. About 650 old pile butts, 16 by 22 feet long, 12 inches in diameter at the small end.

*At East Twenty-fourth Street Yard.*

Lot 5. About 2,500 pounds of old wrought-iron.

" 6. About 1,000 pounds of old cast-iron.

" 7. About 15 pairs of old rubber boots.

" 8. About 42 old shovels.

" 9. About 20 old oil barrels.

" 10. About 12 old wheelbarrows.

## General Expense.

**GENERAL EXPENSE.***Pier "A," N. R.*

Engineer's Order.—Storm sashes were cleaned and placed in position at Pier "A" Building Begun September 29 and finished October 21, 1893.

Engineer's Order.—Paint was burned off girders under Pier "A," North river, in order to place paint for tests. Begun July 26 and finished July 28, 1893.

*Cleaning Silt Basins between Pier "A" and West Eleventh Street.*

Secretary's Order No. 12329.—This work, commenced by Department labor October 14, 1893, consisted in cleaning out silt basins and keeping same in good order, from time to time, when necessary. Begun May 1, 1893, and finished April 30, 1894.

*Surveyor's Office at Pier, new 21, N. R.*

Engineer's Order.—This office was removed from scow "D" at this pier and placed in position adjoining Chambers Street Office; backing-logs were made, fastened around office, and fence was built. Begun and finished November 25, 1893.

*Pavement and Depressing Silt Basins at Vestry Street, N. R.*

Secretary's Order No. 13218.—This work consists in taking up and relaying pavement foot Vestry street and in front of Pier, new 29, North river, and also in depressing silt basins between said points. Begun October 14, 1893, and is now suspended.

*Pier, new 43, N. R.*

Secretary's Order No. 13399.—Sign on front of shed on this pier was painted over to obliterate same. Begun February 5 and finished February 10, 1894.

*Removing and Painting Dock Master's Office at Pier, new 43, N. R.*

Secretary's Order No. 13601.—This work consisted in transferring the movable office from the pavement in front of Pier, new 43, North river, to West Fifty-seventh Street Yard and transferring the office furniture to a room on the south side of the pier, removing partition, making closet, repairing water-closet and painting the new office. Begun March 1 and finished March 30, 1894.

*Piers foot of Bogart and Bloomfield Streets, N. R.*

Secretary's Order No. 12796.—Signs prohibiting other than market boats from landing thereat were placed and fastened on outer end of piers. Begun May 4 and finished May 29, 1893.

*Pier at Twentieth Street, N. R.*

Secretary's Order No. 12872.—A sign prohibiting all vessels except passenger boats from landing was placed and fastened on outer end of pier. Begun May 24 and finished June 7, 1893.

*Boat Landing at West Twenty-third Street, N. R.*

Secretary's Order No. 12757.—The work of providing a landing place at West Twenty-third street, at which small boats from the visiting man-of-war fleet may land on April 27, 1892, has been done by Department labor, and consisted in repairing the old wooden bulkhead, northerly of the north line of West Twenty-third street, preparing scow "E" and placing same in position, and making, painting and placing two temporary signs. Begun April 10 and finished May 5, 1893.

*Foot of Twenty-fourth Street, N. R.—Man-of-War Landing.*

Secretary's Order No. 12836.—Watching and caring for "float." Begun May 6, 1893; in progress.

*Removing Surveyor's Office at West Twenty-fourth Street, N. R.*

This office was placed on scow "D" at West Twenty-fourth street and removed to foot of Chambers street, North river, adjoining Chambers Street Office. Begun and finished November 25, 1893.

*Removing Fence, Material, etc., Northerly Half of block between Twenty-fifth and Twenty-sixth Streets.*

Secretary's Order No. 13674.—This work, done by Department labor, consisted in removing about 270 feet of fence, the removal of lumber, etc., by Ichabod T. Williams, and the removal of iron by Messrs. J. B. & J. M. Cornell, owners of this material, which occupied area to be cleared. Begun March 21 and finished March 29, 1894.

*Truck Pound between Piers, new 57 and 58, N. R.*

Secretary's Order No. 12641. A truck pound is being maintained at West Twenty-seventh street for the storage of trucks removed by Dock Masters from various points along the river front under control of the Department. Begun May 1, 1893, and finished April 30, 1894.

*Dock Master's Office at West Thirty-fourth Street Pier.*

Engineer's Order.—The Dock Master's Office was removed from scow and placed on West Thirty-fourth Street Pier. Begun and finished October 25, 1893.

*Placing Battens at West Thirty-fourth, Thirty-eighth, Forty-eighth and Fiftieth Streets, N. R.*

Secretary's Order No. 12803.—This work consisted in placing four streaks of battens, 4 by 10 inches yellow pine, on both sides of the Pier foot of Thirty-fourth street; also on both sides of the Piers foot of West Thirty-eighth and Forty-eighth streets, and on the north side of the Pier foot of West Fiftieth street, to afford sailors and marines from the Man-of-War fleet easy access to the above-mentioned piers on the 28th April; also, placing mooring scows at each of the above-mentioned piers supplied with gangways suitable for the landing of howitzers or machine guns; also the removal of all the battens above referred to, and rafting and towing same to the place from which they were taken. Begun April 24 and finished May 2, 1893.

*Foot of Forty-second Street, N. R.—Man-of-War Landing.*

Secretary's Order No. 12837.—Watching and caring for float. Begun May 6, 1893. Watching suspended February 5, 1894.

## General Expense.

*Foot of Fifty-ninth Street, N. R.—Man-of-War Landing.*

Secretary's Order No. 12759.—Watching and caring for float. Closed May 5, 1893.

Secretary's Order No. 12838.—Watching and caring for float. Begun May 6, 1893. This float was removed to Twenty-fourth street, N. R., in place of scow "E," June 1, 1893. Watching at West Fifty-ninth street, finished.

*Foot of Eighty-second Street, N. R.—Man-of-War Landing.*

Secretary's Order No. 12760.—Watching and caring for float. Closed May 5, 1893.

Secretary's Order No. 12839.—Watching and caring for float. Begun May 6, 1893. Float removed to Pier "A," June 7, 1893. Watching finished.

*Foot of Ninety-sixth Street, N. R.—Man-of-War Landing.*

Secretary's Order No. 12840.—Watching and caring for float. Begun May 6, 1893. The scow float removed to West Fifty-seventh Street Yard, June 6, 1893. Finished watching same date.

*Pier at One Hundred and Thirty-first Street, N. R.*

Secretary's Order No. 13424.—A sign prohibiting landing was placed and fastened on outer end of Pier. Begun December 21 and finished December 29, 1893.

*Dock Master's Office for East Thirty-first Street, E. R.*

Secretary's Order No. 13147.—An office was built at the West Fifty-seventh Street Yard, for use of Dock Master of District No. 7, and the same was transferred to and placed on Pier foot of Thirty-first street, East river. The office was furnished with a desk and two chairs. Begun September 8 and finished November 1, 1893.

*Bulkhead, Eightieth to Eighty-third Street, E. R.*

Secretary's Order No. 13282.—A fence was erected thereat to prevent the dumping of material on premises; used 5,107 feet, B. M., of 3-inch and 1,560 feet, B. M., of 4-inch spruce. Begun November 8 and finished November 28, 1893.

Resolution of the Board, October 26, 1893.—A day and night watchman were detailed to watch, care for and prevent the dumping of material on premises. Begun November 29, 1893; in progress.

Secretary's Order No. 13343.—Signs were made and lettered prohibiting dumping and were placed along those premises. Begun December 5 and finished December 30, 1893.

*One Hundred and Thirty-eighth Street and Fifth Avenue, H. R.*

Engineer's Order.—Watching and caring for fence and other property of the Department. Closed July 31, 1893, and the further watching of these premises is under Secretary's Order No. 11226. Begun August 1, 1893; in progress.

*From Fifth to Seventh Avenue, H. R.*

Resolution of the Board, January 19, 1893.—A day watchman is detailed to prevent the dumping of material on premises. In progress.

*Ice Bridges on North, East and Harlem Rivers.*

Secretary's Order No. 12743.—Cleaning of space under these bridges is being constantly done by owners or occupants, by order of the Board. In progress.

*Painting Designations on Piers, etc.*

Secretary's Order No. 12899.—Painting designations on outer end of piers and bulkheads on North, East and Harlem rivers. Begun June 5, 1893, and finished February 20, 1894.





## Work Done for Other Departments.

**WORK DONE FOR OTHER DEPARTMENTS.****WORK DONE FOR FINANCE DEPARTMENT.**

During the year the Department tugs have been in the service of the City Paymaster 346 hours ; also, on May 18, 1893, a hired tug made 7½ hours, under Treasurer's Order No. 16731, in use of the City Paymaster.

**WORK DONE FOR DEPARTMENT OF CHARITIES AND CORRECTION.***Pier at Twenty-sixth Street, E. R.*

Secretary's Order No. 12842.—The sheathing on deck of pier was patched and other necessary repairs were made ; used 10,026 feet, B. M., of 4-inch and 114 feet, B. M., of 3-inch spruce ; 6 oak spring piles were driven and fastened ; 1,639 feet, B. M., of yellow pine was used ; also 300 pounds of chain. Begun June 15 and finished June 22, 1893.

*Foot of Fifty-second Street, E. R.*

Secretary's Order No. 13560.—The boat-landing thereat was repaired : 6 oak piles were driven and fastened ; a backing-log put on ; also stairs and railing were placed ; 3,664 feet, B. M., of 3-inch and 800 feet, B. M., of 4-inch spruce and 25 pieces of 2 by 4 inch spruce was used. Begun February 2 and finished February 15, 1894.

*Lower Pier foot of Eighty-sixth Street, E. R.*

Secretary's Order No. 13584.—A new boat-landing was built and placed at southerly side of pier ; used 6,726 feet, B. M., of 3 and 4 inch spruce, 373 linear feet of oak piles and 2 by 4 inch spruce for railing. Begun February 16 and finished February 28, 1894.

*Storehouse Dock, Blackwell's Island, E. R.*

Secretary's Order No. 13268.—Eighteen oak piles for fender and spring piles were driven, fastened and chocked ; a mooring post was set, a new runway made and backing-log repaired ; used 1,900 feet, B. M., of yellow pine. Begun November 13 and finished November 20, 1893.

Contract No. 442.—674 cubic yards of mud, stone, etc., were dredged by Barth. S. Cronin, contractor, under the above contract. Begun June 17 and finished June 21, 1893.

*Charity Hospital Dock, Blackwell's Island, E. R.*

Secretary's Order No. 13247.—Six oak piles were driven, fastened and chocked, the backing-log renewed and deck repaired ; used 1,003 feet, B. M., of 3-inch spruce. Begun November 13 and finished November 27, 1893.

*Quarry Dock, West Side, Blackwell's Island, E. R.*

Secretary's Order No. 13405.—The old platform was removed and a new platform built : second-hand material was used for bearing piles, caps, rangers and chocks ; for the planking on deck 8,585 feet, B. M., of 4-inch spruce was used. Begun January 11 and finished January 29, 1894.

*Pier on West Side of Ward's Island, H. R.*

Secretary's Order No. 13404.—Two clusters of oak piles were driven, fastened and chocked. Begun December 9 and finished December 12, 1893.

*Charity Hospital Pier, Ward's Island, lately occupied by Commissioners of Emigration.*

Secretary's Order No. 13112.—Old fender piles were pulled and new oak fender and spring piles were driven and fastened ; chocks were also put on ; used 105 feet, B. M., of yellow pine and 200 pounds of chain. Begun September 14 and finished September 20, 1893.

## Work Done for Other Departments.

*Bulkhead foot of East One Hundred and Twentieth Street, H. R.*

Secretary's Order No. 13576.—228 cubic yards of mud was dredged by Morris & Cumings Dredging Company. Begun and finished February 20, 1894.

*Foot of One Hundred and Twenty-fifth Street, H. R.*

Secretary's Order No. 13355.—A landing for steamboats was built, and a platform and gangway was placed and fastened and the landing secured ; used 1,292 feet, B. M., of 3-inch spruce, 502 linear feet of oak piles and 840 feet, B. M., of yellow pine. Begun December 5 and finished December 8, 1893.

*Upper Dock at Randall's Island, H. R.*

Secretary's Order No. 13261.—Oak spring piles were driven and chocked and sheathing repaired ; used 301 feet, B. M., of yellow pine and 13,206 feet, B. M., of 3-inch spruce. Begun November 13 and finished December 4, 1893.

*Upper Pier at Hart's Island, Long Island Sound.*

Secretary's Order No. 12933.—This pier was repaired and extended ; bearing piles were driven ; caps, braces and rangers were placed and fastened ; used 4,444 feet of yellow pine. Begun August 1 and finished August 12, 1893.

*Lower Pier at Hart's Island, Long Island Sound.*

Secretary's Order No. 12933.—Thorough repairs were made to this pier ; bearing and fender piles were driven ; caps, rangers, braces and chocks were renewed and repaired ; used second-hand materials ; new sheathing was laid with 7,020 feet, B. M., of 3-inch spruce plank. Begun July 18 and finished July 31, 1893.

## WORK DONE FOR DEPARTMENT OF PUBLIC WORKS.

## PUBLIC BATHS.

## NORTH RIVER.

*Battery.*

Secretary's Order No. 12721.—Two clusters of piles were pulled and redriven and fastened ; 6 mooring piles were also driven and fastened for securing the bath. Begun May 20 and finished June 5, 1893.

*Foot of Duane Street, N. R.*

Secretary's Order No. 12722.—Opened gangway and made necessary repairs to platform ; used 638 feet, B. M., of 3-inch spruce. Begun June 14 and finished June 15, 1893.

Secretary's Order No. 13195.—Access to bath was closed ; used 189 feet, B. M., of 3-inch spruce. Begun and finished October 6, 1893.

*Foot of Horatio Street, N. R.*

Secretary's Order No. 12734.—Opened gangway for access to bath and made necessary repairs to platform ; used 245 feet, B. M., of 3-inch spruce. Begun and finished June 16, 1893.

Secretary's Order No. 13195.—Access and gangway to bath were closed. Begun and finished October 4, 1893.

*Pier at Twentieth Street, N. R.*

Secretary's Order 12865.—Opened gangway and made repairs for access to bath ; used 70 feet, B. M., of 3-inch spruce and 144 feet, B. M., of yellow pine. Begun June 12 and finished June 13, 1893.

Secretary's Order No. 13195.—The gangway and access to bath was closed. Begun and finished October 3, 1893.

## Work Done for Other Department.

### *Pier at Fiftieth Street, E. R.*

Secretary's Order No. 12723.—Opened gangway for access to bath ; used 280 feet, B. M., of 3-inch spruce. Begun and finished June 9, 1893.

Secretary's Order No. 13195.—The gangway and access to bath were closed. Begun and finished October 5, 1893.

### *Pier at One Hundred and Thirty-fourth Street, N. R.*

Secretary's Order No. 12724.—The gangway for access to bath was opened and necessary repairs to platform were made ; used 190 feet, B. M., of 3-inch spruce, and 125 feet, B. M., of yellow pine. Begun and finished June 20, 1893.

Secretary's Order No. 13195.—The gangway and access to bath were closed. Begun and finished October 7, 1893.

## EAST RIVER.

### *Pier, new 29, E. R.*

Secretary's Order No. 12725.—Opened gangway for access to bath and built platform ; used 252 feet, B. M., of 3-inch spruce. Begun June 7 and finished June 8, 1893.

Secretary's Order No. 13195.—The gangway and access to bath were closed. Begun and finished October 3, 1893.

### *Pier 55, E. R.*

Secretary's Order No. 12726.—Thirteen spruce piles were driven and a gangway and platform prepared for access to bath. Begun June 13 and finished June 14, 1893.

Secretary's Order No. 13195.—The piles which were placed thereat to protect the bath were pulled. Begun and finished October 9, 1893.

### *Pier at Fifth Street, E. R.*

Secretary's Order No. 12727.—Opened gangway for access to bath ; used 220 feet, B. M., of 3-inch spruce. Begun and finished June 10, 1893.

Secretary's Order No. 13195.—The gangway and access to bath were closed and necessary repairs made ; used 90 feet, B. M., of yellow pine and 207 feet, B. M., of 3-inch spruce. Begun and finished October 4, 1893.

### *Foot of Eighteenth Street, E. R.*

Secretary's Order No. 12735.—Opened gangway for access to bath ; used 210 feet, B. M., of 3-inch spruce and 84 feet, B. M., of yellow pine. Begun and finished June 13, 1893.

Secretary's Order No. 13195.—The gangway and access to bath were closed. Begun and finished October 7, 1893.

### *Pier at Twenty-eighth Street, E. R.*

Secretary's Order No. 12728.—Opened gangway and made necessary repairs for access to bath. Begun and finished June 17, 1893.

Secretary's Order No. 13195.—The gangway was closed and necessary repairs made. Begun and finished October 5, 1893.

### *Foot of Fifty-first Street, E. R.*

Secretary's Order No. 12729.—Two clusters of piles were driven and fastened, 4 mooring-piles were set ; used 400 pounds of chain ; the wall at approach was repaired. Begun May 23 and finished June 22, 1893.

## Work Done for Other Departments

*Bulkhead at Ninety-fourth Street, E. R.*

Secretary's Order No. 12766.—Opened gangway for access to bath and used second-hand material for building platform. Begun and finished June 17, 1893.

Secretary's Order No. 13195.—The gangway was closed and repairs made. Begun and finished June 5, 1893.

## HARLEM RIVER.

*Bulkhead at One Hundred and Twelfth Street, H. R.*

Secretary's Order No. 12730.—Opened gangway for access to bath ; used 280 feet, B. M., of 3-inch spruce for platform. Begun June 10 and finished June 12, 1893.

Secretary's Order No. 13195.—The gangway to bath was closed. Begun and finished October 5, 1893.

*Bulkhead at One Hundred and Thirty-seventh Street, H. R.*

Secretary's Order No. 13532.—Three courses of timber were placed and fastened on top for the purpose of raising the bulkhead to proper grade, in accordance with request of Department of Public Works ; used 3,600 feet, B. M., of yellow pine. Begun January 29 and finished February 1, 1894.

## WORK DONE FOR HEALTH DEPARTMENT.

*Bulkhead at Seventeenth Street, E. R.*

Secretary's Order No. 13170.—A sluice-way was cut through bulkhead on north side of old Seventeenth Street Yard ; 6 oak spring piles were driven and fastened ; used 135 feet, B. M., of yellow pine and 285 feet, B. M., of 3-inch spruce plank. Begun September 9 and finished September 11, 1893.

Secretary's Order No. 13259.—Loose fender-piles on corner of bulkhead were refastened. Begun and finished October 23, 1893.

*Port Morris Dock, One Hundred and Thirty-eighth Street, Long Island Sound.*

Secretary's Order No. 13354.—The dock and platform for landing purposes were repaired ; 221 linear feet of oak-bearing piles were driven, rangers and caps were placed, 2 clusters of piles were driven and necessary chocks were put on ; used 1,680 feet, B. M., of yellow pine. Begun December 12 and finished December 16, 1893.

*North Brother Island.*

Secretary's Order No. 13118.—2,498 cubic yards of mud were dredged by Morris & Cumings Dredging Company. Begun September 15 and finished September 19, 1893.

Secretary's Order No. 13470.—The location of float stage was changed for the accommodation of Health Department ; 115 linear feet of oak spring piles were driven and fastened ; the gangway also repaired ; used 798 feet, B. M., of 3-inch spruce plank. Begun January 9 and finished January 10, 1894.

## WORK DONE FOR FIRE DEPARTMENT.

*Pier at Third Street, E. R.*

Secretary's Order No. 13006.—Six spring piles were driven, fastened and chocked ; used 355 feet, B. M., of 8 by 8 inch yellow pine and 200 pounds of chain. Begun July 16 and finished July 17, 1893.

*House of Refuge—Randall's Island.*

Secretary's Order No. 13576.—644 cubic yards of gravel, etc., were dredged by Morris & Cumings Dredging Company. Begun February 21 and finished February 23, 1894.

## Work Done for Other Departments.

## WORK DONE FOR STREET CLEANING DEPARTMENT.

Secretary's Order No. 12693.—Street Cleaning Department, with consent of Board of Docks, unloaded 1,232 loads of material, consisting of dirt and rubbish, at the foot of West Fifty-fifth street, North river; removed same to scows by the Street Cleaning Department, except about 300 loads, which were removed by said Street Cleaning Department, under Secretary's Order No. 12890. Finished June 20, 1893.

*Riker's Island—Long Island Sound.*

Secretary's Order No. 13178.—The damage done to pier was repaired; a pile was driven and fastened; used 25 pounds of chain; cost of repairs to be collected from Brown & Fleming. Begun and finished September 20, 1893.

Secretary's Order No. 13017.—Rangers and caps were renewed, and backing-log put on; second-hand material was used. A hanging bridge was fastened to "float." Begun August 14 and finished August 17, 1893.

Contract No. 449.—Necessary work under this contract, consisting of the driving and fastening of 3 spring piles; used 25 pounds of chain. Begun September 20 and finished September 21, 1893.

*At Port Morris Dock, Long Island Sound.*

Contract No. 449 —A boat-landing for accommodation of launch from Riker's Island was placed and secured thereat; 8 piles were driven. Begun October 26 and finished October 27, 1893.

*Recapitulation of Dredging done for Street Cleaning Department.*

LOCALITY.	AMOUNT CUBIC YARDS.	AUTHORIZATION.	BEGUN.	FINISHED.
West Twelfth Street, N. R., Dumping-board .....	537	Secretary's Order No. 12696	May 9, 1893	May 9, 1893
West Twelfth Street, N. R., Dumping-board .....	862	Secretary's Order No. 13378	Dec. 5, 1893	Dec. 6, 1893
West Nineteenth Street, N. R., Dumping-board .....	1,905	Secretary's Order No. 13159	Nov. 10, 1893	Nov. 11, 1893
West Nineteenth Street, N. R., Dumping-board .....	969	Secretary's Order No. 13618	Mar. 13, 1893	Mar. 13, 1893
West Thirtieth Street, N. R. (north side), Dumping-board .....	527	Secretary's Order No. 13156	Jan. 17, 1894	Jan. 18, 1894
West Forty-seventh Street, N. R., Dumping-board .....	2,408	Secretary's Order No. 13378	Dec. 2, 1893	Dec. 4, 1893
West Seventy-ninth Street Pier, N. R. (south side), Dumping-board .....	2,511	Secretary's Order No. 13457	Jan. 12, 1894	Jan. 15, 1894
West One Hundred and Twenty-ninth Street, N. R., Dumping-board .....	2,501	Secretary's Order No. 13378	Dec. 16, 1893	Dec. 18, 1893
Pier 12, E. R., Dumping-board .....	2,115	Secretary's Order No. 13378	Dec. 9, 1893	Dec. 12, 1893
Pier 44, E. R., Dumping-board .....	1,475	Secretary's Order No. 13378	Dec. 13, 1893	Dec. 15, 1893
East Seventeenth Street, E. R., Dumping-board .....	1,421	Secretary's Order No. 13378	Dec. 19, 1893	Dec. 20, 1893
East Thirty-eighth Street, E. R., Dumping-board .....	537	Secretary's Order No. 12595	May 3, 1893	May 3, 1893
East Thirty-eighth Street, E. R., Dumping-board .....	1,013	Secretary's Order No. 13431	Dec. 30, 1893	Jan. 1, 1894
East Forty-sixth Street, E. R., Dumping-board .....	976	Secretary's Order No. 13065	Aug. 23, 1893	Aug. 24, 1893
East Eightieth Street, E. R., Dumping-board .....	580	Secretary's Order No. 13027	July 28, 1893	July 28, 1893
Lincoln Avenue, H. R., Dumping-board .....	1,202	Secretary's Order No. 13378	Dec. 29, 1893	Dec. 29, 1893
Total .....	21,539			

**WORK DONE FOR OWNERS, LESSEES, ETC.**

**WORK DONE, INCLUDING DREDGING FOR ALLEGED OWNERS, LESSEES AND OTHERS BY AGREEMENT WITH SAME, OR ON THEIR REFUSAL OR NEGLECT TO COMPLY WITH THE ORDER OF THE BOARD AND AT THE EXPENSE OF THE PARTIES FOR WHOM THE WORK WAS DONE.**

**NORTH RIVER.***Steamboat Landing at Battery.*

Secretary's Order No. 13121.—115 linear feet of oak bracing piles were driven and fastened, the cost of these repairs to be collected from owners of steamboat "Elberon." Begun August 26 and finished August 28, 1893.

*Pier, new 1, N. R.*

Secretary's Order No. 12855.—The work of taking up about 18 square yards of pavement, to repair water pipe for the Iron Steamboat Company, and relaying the same to grade with coal-tar and gravel joints, was done by Department labor and the cost reported for collection. Begun May 12 and finished May 19, 1893.

*Bulkhead between Piers, new 1 and old 1, N. R.*

Secretary's Order No. 13166.—Two bearing piles were placed and fastened and the backing-log repaired; used 408 feet, B. M., of yellow pine, cost of repairs to be collected from W. J. Murray, lessee. Begun and finished September 11, 1893.

*Pier, new 14, N. R.*

Secretary's Order No. 13367.—Repairs were made to the pier, consisting in placing a section of side cap and straightening same with 1 piece of 6 by 12 inch yellow pine 30 feet long, also, replacing 1 horizontal and 2 vertical 8 by 8 inch yellow pine fender chocks, and cost reported for collection. Begun November 27 and finished December 2, 1893.

*Pavement at Pier, new 14, N. R.*

Secretary's Order No. 13099.—The portion of the work done by Department labor consisted in taking up about 25 square yards of pavement, and about 130 linear feet of crosswalk, and digging a trench about 4 feet wide by 3 feet deep through the newly-made land, refilling same, and replacing the pavement with coal-tar and gravel joints, and the cost reported for collection. The work of laying the pipe and making water connections with the above pier was done by the International Navigation Company. Begun September 14 and finished October 9, 1893.

Secretary's Order No. 13169.—This work, done by Department labor, consisted in taking up about 8 square yards of pavement at various points east of the bulkhead shed of the International Navigation Company, at Pier, new 14, North river, to enable Contractors Staats Brothers to dig post holes, under permit from the Board; the same was relaid with coal-tar and gravel joints. In connection with the above work 4 pieces of crosswalk stone were cut and rejointed, and cost reported for collection. Begun September 7 and finished October 25, 1893.

*Pier, new 19, N. R.*

Secretary's Order No. 13252.—Seventy-three additional piles between the forty-fifth single row and the westerly double row, were driven, in accordance with the corrected plans and specifications accompanying Secretary's Order No. 13358, and the cost reported for collection. Begun October 6, 1893, and finished January 8, 1894.

Secretary's Order No. 13447.—The damage to the pier, occasioned by the "Susquehanna" collision, was repaired. 4 piles in the second double row, counting from the outer end of pier, were repaired, and the 2 crosscaps on same double row were removed, and the cost was reported for collection. Begun December 16 and finished December 21, 1893.

### Work Done for Owners, Lessees, etc.

Secretary's Order No. 13366.—Repairs, occasioned by ferry-boat collision, were made. 3 broken yellow pine fender piles were replaced with 3 new piles, 2 side caps were replaced and rebolted and cost reported for collision. Begun November 18 and finished November 21, 1893.

#### *Pier, new 21, N. R.*

Secretary's Order No. 13289.—This work, done by Department labor, consisted in taking up about 45 square yards of pavement and digging a trench about 4 feet deep; about 140 feet of 2-inch wrought-iron pipe was then laid by the Consolidated Gas-light Company, the trench was refilled and the pavement replaced with coal-tar and gravel joints, and cost reported for collection. Begun October 30 and finished December 4, 1893.

#### *New-made Land at Pier, new 22, N. R.*

Secretary's Order No. 12892.—A trench about 3 feet wide and 2½ feet deep was dug from the westerly side of West street to the bulkhead-wall, in which the Consolidated Gas-light Company laid about 190 feet of gas-pipe. The trench was refilled and the cost reported for collection. Begun June 7 and finished June 12, 1893.

#### *Repairing Damage at Pier, new 22, N. R.*

Secretary's Order No. 13180.—A cross cap on the double row, also the two outer double rows of piles which had been forced out of perpendicular about 3 inches, were forced back to their proper position and cost reported for collection. Begun and finished September 15, 1893.

#### *Pier, new 22, N. R.*

Secretary's Order No. 13235.—The damage occasioned by the steamship "Newburgh" collision was repaired, consisted in the replacing of a side cap, with a new tie plate and waling piece, two horizontal sheathing planks, and two 12 by 14 inch rangers, which had been knocked over-board and lost, and cost reported for collection. Begun September 23 and finished September 30, 1893.

Secretary's Order No. 13414.—Damage done by steamship "Newburgh" collision was repaired, consisted in securing in place 4 white oak fender piles which were loosened from their fastenings; also the renewing and fastening of one 12 by 12 inch yellow pine fender chock 8 feet long, and cost reported for collection. Begun December 11 and finished December 13, 1893.

#### *Water Pipe at Pier, new 22, N. R.*

Secretary's Order No. 12866.—A trench about 4 feet deep and 2 feet wide was dug from the westerly side of West street to the inshore southerly corner of the pier, and a 4-inch water-pipe was laid in the trench by the Baltimore & Ohio Railroad Company, after which the trench was refilled, and the cost reported for collection. Begun May 26 and finished June 10, 1893.

#### *Pier, new 36, N. R.*

Secretary's Order No. 13550.—About 11 square yards of the pavement in front of the southerly entrance to the pier was taken up and relaid, and excavation made for repairs to water-pipe. The cost was reported for collection. Begun January 27 and finished February 8, 1894.

#### *Pier, new 39, N. R.*

Secretary's Order No. 13385.—About 5 square yards of pavement, near the southerly inshore end of the pier was taken up and relaid in order that the National Steamship Company could repair the water-pipe thereat, and cost reported for collection. Begun November 16 and finished December 8, 1893.



## Work Done for Owners, Lessees, etc.

*Pier, new 41, N. R.*

Secretary's Order No. 13291.—About 70 square yards of pavement in front of the pier was taken up and relaid. A trench was dug to allow Gustave Muller to lay a 2-inch iron pipe under permit of the Board, and the cost reported for collection. Begun November 2 and finished December 12, 1893.

*Pier, new 42, N. R.*

Secretary's Order No. 13344.—About 2 square yards of pavement, close to the bulkhead and south of inner end of Pier, new 42, North river, was taken up and relaid to allow the Mutual Gas-light Company to repair their service pipe, and cost reported for collection. Begun November 13 and finished December 7, 1893.

*Pier, new 43, N. R.*

Secretary's Order No. 13610.—The damage done to the pier by the steamship "Germanic" collision was repaired and the cost reported for collection. Begun February 26 and finished March 3, 1894.

*Christopher Street Ferry.*

Secretary's Order No. 12797.—About 9 square yards of pavement, taken up by the Hoboken Ferry Company, in order to make repairs to their water-pipe, was relaid and cost reported for collection. Begun April 20 and finished May 10, 1893.

Secretary's Order No. 13487.—This work consisted in driving 45 piles between the westerly double row of the extension at Pier, new 43, North river, and the westerly end of the pier, previous to its extension; also, in driving two clusters of fender piles, all substantially in accordance with request of the Hoboken Ferry Company, and cost reported for collection. Begun January 8 and finished February 7, 1894.

*Pier foot of West Twentieth Street, N. R.*

Secretary's Order No. 13561.—The damage to the pier, occasioned by the "State of Nebraska" collision, was repaired, consisted in fastening the upper horizontal fender chock in the outer bent of the north side of the pier, and cost reported for collection. Begun February 3 and finished February 5, 1894.

*Pier, new 59, N. R.*

Secretary's Order No. 13220.—The lower armature plate on upper outer corner of pier was refastened; cost of same to be collected from the "Occidental Dock Co." Begun October 5 and finished October 7, 1893.

*Pier at Fifth Street, E. R.*

Secretary's Order No. 13079.—Three spring piles and 2 mooring posts were driven, fastened and chocked; used 720 feet, B. M., of yellow pine, cost to be collected from Sheridan & Byrne. Begun August 26 and finished September 2, 1893.

## Draughting-Room.

**DRAUGHTING-ROOM.****SUMMARY OF WORK DONE IN DRAUGHTING-ROOM, OFFICE OF THE ENGINEER-IN-CHIEF, DURING THE YEAR.***Plans, Specifications and Studies for Contract Work.*

Secretary's Order No. 12039.—Awning shed for pier at West Fifty-second street, North river. Submitted May 3, 1893.

Secretary's Order No. 12297.—Paving, between West Twenty-fourth and West Twenty-fifth streets, North river. Submitted May 10, 1893.

Secretary's Orders Nos. 10267 and 12862.—Pier and crib-bulkhead, West One Hundred and Twenty-eighth street, North river. Submitted May 16, 1893.



### Draughting-Room.

Secretary's Order No. 11632.—Awning shed for Pier at East Thirty-third street, East river. Submitted May 24, 1893.

Secretary's Order No. 12644.—Pier at West Fifteenth street, North river. Submitted May 24 1893.

Engineer's Order.—Dumping-board for Pier, old 42, North river. Submitted August 2, 1893.

Secretary's Order No. 13317.—2-ton steam derrick. Submitted January 23, 1894.

Secretary's Order No. 13110.—Repairs to Pier at West Forty-fourth street, North river. Submitted November 29, 1893.

Engineer's Order.—Contract No. 469, for iron and steel. Submitted February 1, 1894.

Secretary's Order No. 13144.—Specifications for painting shed on Pier, new 1, North river. Submitted September 16, 1893.

Engineer's Order.—Specifications for Portland cement. Submitted December 13, 1893.

Engineer's Order.—Specifications for coal. Submitted December 27, 1893.

Engineer's Order.—Specifications for cobble, rip-rap, sand, etc. Submitted January 10, 1894.

Engineer's Order.—Specifications for spruce timber. Submitted January 25, 1894.

Engineer's Order.—Specifications for Rope. Submitted January 30, 1894.

### *Plans and Studies for Construction or Repairs by the Department.*

Secretary's Order No. 12592.—Pier at Stanton street, East river. Submitted June 29, 1893.

Engineer's Order.—Boat platform at Battery, North river. Submitted May 18, 1893.

Engineer's Order.—Landing-stage at Pier "A," North river. Submitted May 23, 1893.

Engineer's Order.—Supplementary concrete blocks, West Twenty-third Street Section, south end. Submitted June 8, 1893.

Engineer's Order.—New check-plate binding-frame joint. Submitted June 30, 1893.

Engineer's Order.—Traveling crane, East Twenty-fourth Street Yard.

Engineer's Order.—Sewer-iron for Pier at East Twenty-fourth street, East river.

Secretary's Order No. 13115.—New pier at East One Hundredth street, East river. Submitted October 13, 1893.

Engineer's Order.—Repairs to tide gauge at Pier "A," North river.

Secretary's Order No. 13116.—New pier at West Fifty-fourth street, North river. Submitted October 12, 1893.

Secretary's Order No. 13114.—New pier at East Ninety-sixth street, East river. Submitted October 28, 1893.

Engineer's Order.—Boat landing, West Twenty-third Street Section, south end.

Engineer's Order.—New pier, new 19, North river.

Secretary's Order No. 13117.—Repairs to floor and furniture, Room 2, Pier "A," North river. Submitted September 23, 1893.

Engineer's Order.—Boat float at East One Hundred and Twenty-fifth street, Harlem river.

Secretary's Order No. 13386.—Alterations at Pier "A," North river, for Police Department. Submitted January 9, 1894.

Engineer's Order.—New pier at East Ninety-ninth street, East river.

Engineer's Order.—Alterations to rudder for tug "Pier."

Engineer's Order.—New pier, new 53, North river.

Engineer's Order.—New pier at East Sixty-second street, East river.

Engineer's Order.—New piers at East Sixtieth and Sixty-first streets, East river.

Engineer's Order.—Pile-cutting machine.

### *New Plans for Water-front Improvement or Maps for Change of Lines, Prepared.*

Secretary's Order No. 12524.—New plan, West Seventy-second to West One Hundredth street, North river. Submitted May 11, 1893.

Draughting Room.

Engineer's Order.—New plan, new 46, to West Twenty-third street, North river. Submitted May 11, 1893.

Secretary's Order No. 12063.—Change of lines, Pier, new 13, North river. Submitted May 17, 1893.

Secretary's Order No. 13452.—New plan, Sherman's Creek, Harlem river. Submitted January 19, 1894.

Secretary's Order No. 11387.—Change of lines, Pier, new 10, North river. Submitted November 16, 1893.

Secretary's Order No. 11388.—Change of lines, Pier, new 11, North river. Submitted November 16, 1893.

*Plans Submitted by Private Parties, Examined and Reported.*

Secretary's No. 13075.—Bulkhead shed at Pier, new 36, North river. Submitted September 2, 1893.

Secretary's Order No. 13155.—Plans for shed on Pier, old 28, North river. Submitted September 14, 1893.

Secretary's Order No. 13320.—Plans for shed extension on Pier, new 36, North river. Submitted November 9, 1893.

Engineer's Order.—Plans for bulkhead shed between Piers, new 28 and 29, North river. Submitted March 14, 1894.

Engineer's Order.—Plans for shed on Pier, new 15, North river. Submitted April 12, 1894.

Engineer's Order.—Plans for coal derrick at West Twenty-ninth street, North river. Submitted April 17, 1894.

Engineer's Order.—Plans for shed and platform between Piers, old 3 and 4, North river. Submitted April 23, 1894.

*Other Reports on Secretary's Orders.*

Secretary's Order No. 12914.—Maps of proposed new street system, Sherman's Creek. Submitted June 13, 1893.

Secretary's Order No. 13049 (rescinded).—Plans and specifications for extending Pier at West Eighteenth street, North river. Submitted August 11, 1893.

Secretary's Order, No. 13222.—Maps for Corporation Counsel, One Hundred and Seventy-fourth to One Hundred and Eighty-second street, Harlem river. Submitted October 10, 1893.

Secretary's Order No. 13368.—Repairs to floor of Entrance Room, Pier "A." Submitted December 5, 1893.

Secretary's Order No. 13446.—Blue prints of standard maps, Rapid Transit Commission. Submitted December 27, 1893.

Secretary's Order No. 13553.—Map of property to be purchased from Central Railroad of New Jersey. Submitted February 2, 1894.

*Miscellaneous Maps, Prints, etc.*

Maps and tracings, 191.

Blue prints, 1,792.

White prints, 500.

*Routine Work.*

Plotting surveys on standard maps.

Plotting soundings.

Maintaining records in water-front registers.

Keeping up progress sheets.

Miscellaneous studies and estimates.

Duplicating old and dilapidated maps and plans.

Records, indexing, etc.

## Cement Tests.

**CEMENT TESTS.***West Fifty-seventh Street Yard.*

Secretary's Order No. 12809.—One barrel of "Hoyle, Robson & Co." brand of cement was tested by the force of the Department for and at the expense of Franklyn & Ferguson. Begun May 2 and finished May 9, 1893.

Secretary's Order No. 13067.—One barrel "Scales" brand of cement was tested by the force of the Department for and at the expense of Baetger & Meyerstein. Begun August 1 and finished August 8, 1893.

Secretary's Order No. 13069.—One barrel of "Braunschweiger" brand of cement was tested by the force of the Department for and at the expense of Hermann Aich. Begun August 2 and finished September 14, 1893.

Secretary's Order No. 13185.—One barrel of "Alpha" brand of cement was tested by the force of the Department for and at the expense of W. J. Donaldson & Co. Begun September 18 and finished September 25, 1893.

Secretary's Order No. 13428.—One barrel of "Condor" brand of cement was tested by the force of the Department for and at the expense of William R. Grace & Co. Begun December 19 and finished December 26, 1893.

Secretary's Order No. 13489.—One barrel of "F. B. & Co." brand of cement was tested by the force of the Department for and at the expense of James Symington. Begun January 9 and finished January 16, 1894.

Secretary's Order No. 13492.—One barrel of "Key" brand of cement was tested by the force of the Department for and at the expense of Eckmeyer & Co. Begun January 16 and finished January 23, 1894.

Secretary's Order No. 13513.—One barrel of "Condor" brand of cement was tested by the force of the Department for and at the expense of William R. Grace & Co. Begun January 13 and finished January 20, 1894.

Secretary's Order No. 13526.—One barrel "Atlas" brand of cement was tested by the force of the Department for and at the expense of the Atlas Cement Company. Begun January 23 and finished January 30, 1894.

Secretary's Order No. 13552.—One barrel "Liberty" brand of cement was tested by the force of the Department for and at the expense of Warner's Cement Company. Begun February 17 and finished February 24, 1894.

Secretary's Order No. 13776.—One barrel of "J. B. White Bros." brand of cement was tested by the force of the Department for and at the expense of Flint & Co. Begun April 18 and finished April 25, 1894.

CONTRACTS UNDER WHICH WORK WAS DONE DURING THE YEAR.

No.	CONTRACT.	WORK BEGUN.	WORK FINISHED.	CONTRACT PRICE.	AMOUNT PAID.
39. Under New Plan...	For furnishing granite-stone for bulkhead or river wall. Dated October 28, 1891.....	Dec. 31, 1891	July 24, 1893	{ Headers and stretchers, 91 cents; coping, \$1.11.....	\$31,463 15
412. Under New Plan ..	For furnishing granite-stone for bulkhead or river wall. Dated March 21, 1892.....	June 27, 1892	In progress..	{ Headers and stretchers, 97 cents; coping \$1.23.....	.....
414. Under New Plan...	For furnishing granite-stone for bulkhead or river wall. Dated April 14, 1892.....	May 3, 1892	June 14, 1893	{ Headers and stretchers, 99 cents; coping, \$1.45.....	42,358 25
427. Not under New Plan	For preparing for and building a crib-bulkhead, with appurtenances, from West One Hundred and Twenty-ninth street to West One Hundred and Thirtieth street, North river, and for dredging thereat. Dated December 14, 1892.....	Dec. 19, 1892	May 19, 1893	{ Class 1: Dredging, 35 cents; Class 2: crib-work, 4 cents....	10,166 45
428. Under New Plan...	For furnishing sawed yellow-pine timber. Dated November 22, 1892 .....	Jan. 23, 1893	July 3, 1893	\$21 88	37,165 32
433. Temporary construction under New Plan. .... }	For the removal of Pier, old 42, the structures thereon, and dredging over site of same on the North river. Dated February 2, 1893 .....	Feb. 16, 1893	Sept. 13, 1893	{ Class 1: Removing pier, \$250; Class 2: Mud dredging, 19 3/4 cents; Class 3: Crib-dredging, 87 cents; Class 4: Crib-dredging, 40 cents.....	14,962 29
434. Temporary construction under New Plan..... }	For preparing for and building a new wooden pier, with appurtenances, including two wooden sewers, near the foot of Canal street, North river. Dated February 16, 1893.....	Apr. 24, 1893	Dec. 23, 1893	\$33,472 00	33,472 00
435. General Repairs..... }	For dredging at Piers, new 38 and 42, Pier foot of Bethune street, Pier, new 63, and Pier foot of West Thirty-fourth street, on the North river. Dated March 15, 1893.....	Mar. 16, 1893	May 15, 1893	19	27,598 64
436. Under New Plan...	For furnishing granite-stone for bulkhead or river-wall. Dated April 25, 1893.....	Apr. 22, 1893	Aug. 21, 1893	1 21	26,433 30
437. Construction under chapter 298, Laws of 1892.... }	For preparing for and building an iron awning shed, with appurtenances, on the Pier at the foot of West Thirty-fourth street, North river. Dated May 5, 1893.....	June 17, 1893	Sept. 16, 1893	2,950 00	2,850 00
438. General Repairs..... }	For dredging from Pier, old 5, to Pier, new 7, East river. Dated April 25, 1893.....	April 28, 1893	June 8, 1893	20	12,751 60
439. Under New Plan...	For the removal of the outer portion of Pier, old 62, and dredging over site of same and in the half slips adjoining on the East river. Dated April 26, 1893.....	May 2, 1893	June 15, 1893	{ Class 1: Removing pier, \$500; Class 2: Mud dredging, 20 cents; Class 3: Crib-dredging, \$1; Class 4: Crib-dredging, 40 cents.....	5,894 00
440. General Repairs..... }	For dredging in the slips on the northerly side of Pier 61, on the East river. Dated May 5, 1893.....	May 29, 1893	June 9, 1893	\$98 00	6,801 20
441. Construction under chapter 298, Laws of 1892.... }	For preparing for and building an iron awning shed, with appurtenances, on the Pier at the foot of East Third street, East river. Dated May 12, 1893.....	July 31, 1893	Oct. 4, 1893	3,125 00	3,725 00
442. Not under New Plan	For preparing for and building a new crib-bulkhead adjoining the Storehouse Dock, Blackwell's Island, East river, and for building a boat landing and for dredging thereat. Dated June 14, 1893.....	June 17, 1893	Sept. 30, 1893	{ Class 1: Dredging, \$1.50; Class 2: Crib-work, \$11,000; Class 3: Boat landing, \$740.....	12,751 00

Contracts.

No.	CONTRACT.	WORK BEGUN.	WORK FINISHED.	CONTRACT PRICE.	AMOUNT PAID.
443. General Repairs....	For dredging at Pier, new 15, North river. Dated May 12, 1893.	May 24, 1893	June 16, 1893	\$48 00	\$11,228 16
444. Not under New Plan	For preparing for and laying pavement on the bulkheads, etc., from West One Hundred and Thirty-first street to West One Hundred and Thirty-third street, North river. Dated May 12, 1893	June 12, 1893	July 10, 1893	4,500 00	4,500 00
445. Under New Plan...	For preparing for and laying pavement on new-made land in rear of the bulkhead-wall at East Ninety-fourth Street Section, on the East river, and East One Hundred and Tenth Street Section, on the Harlem river. Dated June 27, 1893	July 11, 1893	Aug. 8, 1893	7,100 00	7,100 00
446. Construction under chapter 29, Laws of 1892....	For preparing for and building an iron awning shed, with appurtenances, on the Pier at the foot of West Fifty-second street, North river. Dated June 6, 1893	Sept. 12, 1893	Oct. 28, 1893	3,645 00	3,645 00
447. Under New Plan...	For preparing for and paving the newly-made land between Dey and Barclay streets, North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers. Dated June 27, 1893	July 1, 1893	Sept. 13, 1893	18,672 40	18,672 40
448. Under New Plan...	For furnishing sawed yellow pine timber. Dated July 20, 1893	July 21, 1893	Feb. 17, 1894	26 45	42,256 12
449. Not under New Plan	For preparing for and building a cribwork-bulkhead on the westerly side of Riker's Island, in the East river or Long Island Sound. Dated June 28, 1893	July 22, 1893	In progress ..	133,824 00	.....
450. Not under New Plan	For preparing for and building a rip-rap embankment at the westerly side of Riker's Island, in the East river or Long Island Sound	.....	.....	.....	.....
451. Under New Plan...	For preparing for and paving the newly-made land for a width of 50 feet, extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite or Staten Island syenite blocks, laying crosswalks and the building of the necessary drains or sewers. Dated July 21, 1893	July 27, 1893	Sept. 12, 1893	5,355 14	5,355 14
452. Under New Plan...	For preparing for and paving the new made land between Franklin street, extended, and Duane street, extended, on the North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers. Dated August 7, 1893	Aug. 14, 1893	Dec. 19, 1893	35,785 00	35,785 00
453. Construction under chapter 298, Laws of 1892....	For preparing for and building an iron awning shed, with appurtenances, on the Pier at the foot of East Thirty-third street, East river	Bids rejected.			
454. Temporary construction under New Plan...	For removing the existing pier and for preparing for and building a new wooden pier, with appurtenances, at the foot of West Fifteenth street, North river. Dated July 12, 1893	July 13, 1893	Dec. 18, 1893	21,765 00	21,765 00
455. Under New Plan...	For furnishing granite stones for bulkhead or river wall. Dated September 12, 1893	Sept. 30, 1893	Apr. 2, 1894	{ Headers and stretchers, 97 cents : Coping, \$1.37.....	37,514 31
456. Under New Plan...	For furnishing sawed yellow pine timber. Dated September 6, 1893	Nov. 10, 1893	Mar. 7, 1894	\$26 95	43,054 91
457. Under New Plan...	For furnishing granite stones for bulkhead or river wall. Dated September 22, 1893	Oct. 27, 1893	Jan. 20, 1894	{ Headers and stretchers, 95 cents : coping, \$1.34 3/4.....	35,931 09

458. General Repairs....	For dredging in the slip between Piers, old 4 and 5, and in the slip between Piers, old 53 and 54, on the East river. Dated September 11, 1893.....	Sept. 18, 1893	Oct. 27, 1893	\$0 34	\$3,401 70
459. Not Under New Plan	For preparing for and building a new dumping-board on Pier 42, near the foot of Canal street, North river. Dated September 22, 1893.....	Dec. 22, 1893	Feb. 6, 1894	4,175 00	4,175 00
460. General Repairs.....	For dredging at Pier, new 40, and at Pier, new 59, on the North river. Dated October 7, 1893.....	Oct. 12, 1893	Nov. 15, 1893	18	9,865 44
461. Under New Plan....	For the removal of Pier, old 29, and the shed and other structures thereon on the North river. Dated November 10, 1893.....	D. c. 4, 1893	Jan. 16, 1894	1,690 00	1,640 00
462. Under New Plan...	For furnishing and delivering about 1,200 tons of anthracite coal. Dated February 3, 1894.....	Feb. 17, 1894	In progress..	4 18	.....
463. General Repairs.....	For repairing the Pier at the foot of West Forty-fourth street, North River. Dated February 1, 1894.....	Feb. 7, 1894	Mar. 24, 1894	8,239 00	8,039 00
464. Under New Plan...	For furnishing about 8,000 barrels of Portland cement. Dated February 5, 1894.....	Mar. 22, 1894	In progress...	1 82	.....
465. Under New Plan...	For furnishing and putting in place small cobble and rip-rap stones, and for furnishing and delivering sand and broken stone.	Rejected.			
466. Under New Plan...	For furnishing sawed spruce timber. Dated March 26, 1894....	Mar. 26, 1894	In progress...	Class 1: \$20.58; Class 2: \$20.52; Class 3: \$20.25. ....	.....
467. Under New Plan...	For furnishing and delivering manila hemp rope and other cordage. Dated March 20, 1894.....	Mar. 30, 1894	In progress..	\$2,536 09	.....
468. Under New Plan...	For building and furnishing a movable steam derrick, with all appurtenances. ....	.....	In progress....	2,050 00	.....
469. Under New Plan...	For furnishing and delivering steam fittings, wrought-iron and steel, tools and pier iron. Dated March 20, 1894, and March 28, 1894.....	Apr. 5, 1894	In progress...	{ Class 1: Steam fittings, \$325; Class 2: Wrought-iron and steel, \$445; Class 3: Tools, \$601; Class 4: Pier iron, \$7,750. ....	.....
470. Under New Plan...	For furnishing sawed yellow pine timber. Dated April 18, 1894...	Apr. 21, 1894	In progress...	\$21 33	.....

## Forms of Contracts.

**FORMS OF CONTRACTS AND SPECIFICATIONS PREPARED AND SUBMITTED TO THE BOARD OF DOCKS.**

Secretary's Order No. 12749.—For preparing for and laying pavement on new-made land in rear of bulkhead-wall at East Ninety-fourth Street Section, on the East river and East One Hundred and Tenth Street Section, on the Harlem river. Submitted May 4, 1893, and advertised as Contract No. 445.

Secretary's Order No. 12039.—For preparing for and building an iron awning shed, with appurtenances, on the Pier at the foot of West Fifty-second street, North river. Submitted May 4, 1893, and advertised as Contract No. 446.

Engineer's Order.—For preparing for and paving the newly-made land between Dey and Barclay streets, North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers. Submitted May 11, 1893, and advertised as Contract No. 447.

Engineer's Order.—For furnishing sawed yellow pine timber. Submitted May 11, 1893, and advertised as Contract No. 448.

Secretary's Order No. 12780.—For preparing for and building a crib-work bulkhead on the westerly side of Riker's Island, in the East river or Long Island Sound. Submitted May 18, 1893, and advertised as Contract No. 449.

Engineer's Order.—For preparing for and building a rip-rap embankment at the westerly side of Riker's Island, in the East river or Long Island Sound. Submitted May 18, 1893, and advertised as Contract No. 450.

Secretary's Order No. 12297.—For preparing for and paving the newly-made land for a width of 50 feet, extending from the southerly crosswalk of the paved approach to Pier, new 54, North river, to the present paved area at the foot of West Twenty-fifth street, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers. Submitted May 18, 1893, and advertised as Contract No. 451.

Engineer's Order.—For preparing for and paving the newly-made land between Franklin street, extended, and Duane street, extended, on the North river, with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers. Submitted May 18, 1893, and advertised as Contract No. 452.

Secretary's Order No. 11632.—For preparing for and building an iron awning shed, with appurtenances, on the Pier at the foot of East Thirty-third street, East river. Submitted May 25, 1893, and advertised as Contract No. 453.

Secretary's Order No. 12644.—For removing the existing pier and for preparing for and building a new wooden pier, with appurtenances, at the foot of West Fifteenth street, North river. Submitted June 8, 1893, and advertised as Contract No. 454.

Engineer's Order.—For furnishing granite stones for bulkhead or river wall. Submitted June 22, 1893, and advertised as Contract No. 455.

Engineer's Order.—For furnishing sawed yellow pine timber. Submitted July 13, 1893, and advertised as Contract No. 456.

Engineer's Order.—For furnishing granite stones for bulkhead or river wall. Submitted July 13, 1893, and advertised as Contract No. 457.

Secretary's Orders Nos. 12941 and 13038.—For dredging in the slip between Piers, old 4 and 5, and in the slip between Piers, old 53 and 54, on the East river. Submitted July 27, 1893, and advertised as Contract No. 458.

Engineer's Order.—For preparing for and building a new dumping-board on Pier 42, near the foot of Canal street, North river. Submitted August 3, 1893, and advertised as Contract No. 459.

Secretary's Orders Nos. 13092 and 13056.—For dredging at Pier, new 40, and at Pier, new 59, on the North river. Submitted August 15, 1893, and advertised as Contract No. 460.

Engineer's Order.—For the removal of Pier, old 29, the shed and other structures thereon, on the North river. Submitted August 16, 1893, and advertised as Contract No. 461.

Secretary's Order No. 13302.—For dredging at Pier at Thirty-fifth street, North river. Submitted November 10, 1893.

Secretary's Order No. 13328.—For dredging the slip on the north side of Pier at Fiftieth street, North river, and the Pier at Thirty-fifth street, North river. Submitted November 20, 1893.

Engineer's Order.—For furnishing and delivering about 1,200 tons anthracite coal. Submitted December 28, 1893, and advertised as Contract No. 462.

Secretary's Order No. 13110.—For repairing the Pier at foot of Forty-fourth street, North river. Submitted December 14, 1893, and advertised as Contract No. 463.

Engineer's Order.—For furnishing about 8,000 barrels of Portland cement. Submitted December 21, 1893, and advertised as Contract No. 464.

Secretary's Order No. 13451.—For dredging at Pier, new 38, at Thirty-fifth street, between Fiftieth and Fifty-first streets, and between Seventy-second and Seventy-fourth streets, North river. Submitted December 28, 1893.

Engineer's Order.—For furnishing and putting in place small cobble and rip-rap stones and for furnishing and delivering sand and broken stone. Submitted January 14, 1894, and advertised as Contract No. 465.

Engineer's Order.—For furnishing sawed spruce timber. Submitted January 25, 1894, and advertised as Contract No. 466.

Engineer's Order.—For furnishing and delivering manila hemp rope and other cordage. Submitted January 25, 1894, and advertised as Contract No. 467.

Secretary's Order No. 13317.—For building and furnishing a movable steam derrick, with all appurtenances. Submitted February 1, 1894, and advertised as Contract No. 468.

Engineer's Order.—For furnishing and delivering steam-fittings, wrought-iron and steel, tools and pier iron. Submitted February 1, 1894, and advertised as Contract No. 469.

Engineer's Order.—For furnishing sawed yellow pine timber. Submitted February 21, 1894, and advertised as Contract No. 470.



## Dredging.

*Dredging done by the Department of Docks*

LOCATION.	MONTH.	CUBIC YARDS.				MISCELLANEOUS.	DEPTH AT MEAN LOW WATER.
		Mud.	Crib, Class "A."	Crib, Class "B."	Sand, etc.		
							Feet.
*Dey Street Section, N. R., bulk- head-wall.....	Mar., 1894	11,539	.....	.....	.....	33 driven piles and pile points....	35
	Apr., 1894	5,163	.....	.....	.....		
Pier, new 14, N. R. ....	May, 1893	.....	.....	.....	.....	230 hours 15 minutes.	35
	June, 1893	.....	.....	.....	.....	184 hours 25 minutes.	
	July, 1893	.....	.....	.....	.....	83 hours 55 minutes..	
Pier, new 15, N. R. (south side) .....	May, 1893	.....	.....	.....	9,045	.....	35
	June, 1893	.....	.....	.....	14,347		
Warren Street Section, N. R., bulk- head-wall....	Jan., 1894	10,029	.....	.....	.....	34 driven piles and pile points.....	30 to 35
	Feb., 1894	17,883	.....	.....	.....		
	Mar., 1894	.....	1,968	.....	.....		
Pier, new 19, N. R. ....	Jan., 1894	22,666	.....	.....	.....	427 driven piles and pile points.....	25
	Feb., 1894	6,466	.....	.....	.....		
	Mar., 1894	.....	4,099	.....	.....		
Pier, new 21, N. R. (north side).....	Nov., 1893	.....	.....	.....	.....	Removing one wreck...	24
Bulkhead between Piers, new 21 and 22, N. R.....	Nov., 1893	395	.....	.....	.....	710 cubic yds. rip-rap.	15 to 24
	Aug., 1893	5,990	.....	.....	.....		
Pier, old 42, N. R. ....	Sept., 1893	6,265	.....	.....	.....	.....	25 to 35
	.....	.....	5,307	.....	.....		
Pier, new 35, N. R. (south side).....	Mar., 1894	3,549	.....	.....	.....	.....	22
	April, 1894	1,491	.....	.....	.....		
Pier, new 38, N. R. (south side).....	Jan., 1894	4,491	.....	.....	.....	.....	30
Pier, new 38, N. R. (north side) .....	Dec., 1893	5,059	.....	.....	.....	.....	30
Pier, new 40, N. R. (south side).....	Aug., 1893	4,986	.....	.....	.....	.....	30
	Sept., 1893	432	.....	.....	.....		30
	Oct., 1893	4,494	.....	.....	.....		30
Pier, new 40, N. R. ....	Oct., 1893	693	.....	.....	.....	.....	30
	Nov., 1893	33,606	.....	.....	.....		
Pier, new 45, N. R. (south side).....	Dec., 1893	5,058	.....	.....	.....	.....	30
Bethune Street Pier, N. R.....	May, 1893	2,458	.....	.....	.....	.....	22
†West Twelfth street, N. R., dump- ing board. ....	May, 1893	537	.....	.....	.....	.....	15
	Dec., 1893	862	.....	.....	.....		15
Pier site West Fifteenth street, N. R..	Aug., 1893	4,744	.....	.....	.....	.....	15
†West Nineteenth street, N. R., dumping-board .....	Nov., 1893	1,905	.....	.....	.....	.....	15
	Mar., 1894	969	.....	.....	.....		15
Pier, new 53, N. R. ....	Feb., 1894	17,997	.....	.....	.....	20 driven piles and pile points.....	25
Pier, new 59, N. R. ....	Oct., 1893	5,300	.....	.....	.....		25
	Nov., 1893	15,119	.....	.....	.....		

## Dredgin

during the Year ending April 30, 1894.

CONTRACT NO. OR TREASURER'S ORDER NO.	AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED	PRICE.	AMOUNT
			Mar 16, 1894	.....	\$0 18½	\$2,163
.....	Res. of Bd., Feb. 21, 1894.	Morris & Cumings Dredging Co. ....	.....	.....	1 95	64
.....			.....	Temp. susp'd Apr. 11, 1894	18½	968
.....	Res. of Bd., April 18, 1893	Morris & Cumings Dredging Co. ....	Mar. 11, 1893	.....	25 00	5,756
.....			.....	.....	25 00	4,610
Contract No. 443.	Res. of Bd., April 13, 1893	Morris & Cumings Dredging Co. ....	May 25, 1893	July 28, 1893	25 00	2,097
			.....	.....	48	4,341
			Jan. 22, 1894	June 14, 1893	48	6,886
			.....	.....	18½	1,880
.....	Res. of Bd., May 25, 1893.	Morris & Cumings Dredging Co. ....	.....	.....	1 95	66
.....			.....	.....	18½	3,353
.....			.....	.....	1 95	83
.....			.....	.....	92½	1,820
.....			.....	Feb. 26, 1894	39	77
.....			Jan. 13, 1894	.....	18½	4,249
.....			.....	.....	1 95	832
.....	Res. of Bd., June 1, 1893.	Morris & Cumings Dredging Co. ....	.....	.....	18½	1,812
.....			.....	.....	1 95	79
.....			.....	.....	92½	3,701
T. O. No. 17339 ..	Sec. Order No. 12338 . . .	Morris & Cumings Dredging Co. ....	Nov. 8, 1893	Nov 28, 1893	.....	250
T. O. No. 17339 ..	Sec. Order No. 12338 . . .	Morris & Cumings Dredging Co. ....	Nov. 9, 1893	.....	19	75
.....			.....	Nov 10, 1893	48	340
Contract No. 431	Res. of Bd., Dec. 15, 1892.	Morris & Cumings Dredging Co. ....	Aug 22, 1893	.....	19½	1,160
.....			.....	.....	10½	1,206
.....			.....	.....	87	4,627
.....			.....	Sept. 13, 1893	40	115
T. O. No. 17703 ..	Sec. Order No. 13699 . . .	Morris & Cumings Dredging Co. ....	Mar 27, 1894	.....	18½	665
T. O. No. 17449 ..	Sec. Order No. 13403 . . .	Morris & Cumings Dredging Co. ....	.....	Apr. 3, 1894	18½	279
T. O. No. 17479 ..	Sec. Order No. 13403 . . .	Morris & Cumings Dredging Co. ....	Jan. 1, 1894	Jan. 3, 1894	18½	842
T. O. No. 17122 ..	Sec. Order No. 13091 . . .	Morris & Cumings Dredging Co. ....	Dec. 5, 1893	Dec. 8, 1893	18½	948
T. O. No. 17122 ..	Sec. Order No. 13091 . . .	Morris & Cumings Dredging Co. ....	Aug. 10, 1893	Aug. 12, 1893	19	947
T. O. No. 17136 ..	Sec. Order No. 13100. . .	Morris & Cumings Dredging Co. ....	Sept. 30, 1893	.....	19	82
Contract No. 460.	Res. of Bd., Aug. 3, 1893.	James P. Carson . . .	Oct. 31, 1893	Oct. 4, 1893	19	853
T. O. No. 17428 ..	Sec. Order No. 13402 . . .	Morris & Cumings Dredging Co. ....	.....	Nov 15, 1893	18	124
Contract No. 435	Res. of Bd., Feb. 9, 1893.	P. San ord Ross . . .	Dec. 6, 1893	Dec. 8, 1893	18½	6,049
T. O. No. 16810 ..	Sec. Order No. 12596 . . .	Morris & Cumings Dredging Co. ....	Apr. 22, 1893	May 2, 1893	19	948
T. O. No. 17412 ..	Sec. Order No. 13398. . .	Morris & Cumings Dredging Co. ....	May 9, 1893	May 9, 1893	20	467
T. O. No. 17098 ..	.....	Morris & Cumings Dredging Co. ....	Dec. 5, 1893	Dec. 6, 1893	18½	107
T. O. No. 17098 ..	.....	Morris & Cumings Dredging Co. ....	Aug. 2, 1893	Aug. 5, 1893	20	161
T. O. No. 17382 ..	Sec. Order No. 13159. . .	Morris & Cumings Dredging Co. ....	Nov. 10, 1893	Nov. 11, 1893	19½	948
T. O. No. 17637 ..	Sec. Order No. 13618. . .	Morris & Cumings Dredging Co. ....	Mar. 13, 1894	Mar. 13, 1894	18½	376
.....	Res. of Bd., Feb. 1, 1894	Morris & Cumings Dredging Co. ....	Feb. 5, 1894	.....	18½	121
.....			.....	Feb. 26, 1894	2 00	3,374
Contract No. 460.	Res. of Bd., Aug. 3, 1893.	James P. Carson . . .	Oct. 12, 1893	.....	18	40
.....			.....	Nov. 14, 1893	18	970
						2,721

## Dredging.

LOCATION.	MONTH	CUBIC YARDS.				MISCELLANEOUS.	DEPTH AT MEAN LOW WATER.
		Mud.	Crib, Class "A."	Crib, Class "B."	Sand, etc.		
†West Thirtieth street, N. R. north side) dumping board	Jan., 1894	527	.....	.....	.....	.....	Feet. 15
West Thirty-fourth Street Pier, N. R.	May, 1893	22,844	.....	.....	.....	.....	25
West Thirty-fifth street Pier, N. R.	Jan., 1894	4,982	.....	.....	.....	.....	25
West Fortieth Street Pier, N. R. (north side)	Feb., 1894	4,860	.....	.....	.....	.....	22
West Forty-fourth Street Pier, N. R. south side	Aug., 1893	4,754	.....	.....	.....	.....	19
West Forty-sixth Street Pier, N. R. (south side)	Mar., 1894	5,093	.....	.....	.....	.....	25
†West Forty-seventh street, N. R., dumping board	Dec., 1893	2,408	.....	.....	.....	.....	15
West Fiftieth Street Pier, N. R. (north side)	Nov., 1893	5,208	.....	.....	.....	.....	18
West Fifty-second Street Section, N. R., bulkhead wall	May, 1893	2,644	.....	.....	.....	830 cubic yds. rip-rap and cobbles	20 to 35
	Aug., 1893	12,552	.....	.....	.....		
	Nov., 1893	7,453	.....	.....	.....		
	Dec., 1893	12,263	.....	.....	.....		
	Mar., 1894	2,089	.....	.....	.....		
West Fifty-fourth street Pier, N. R.	Oct., 1893	11,928	.....	.....	.....	.....	20
	Nov., 1893	8,054	.....	.....	.....		
	Mar., 1894	23,933	.....	.....	.....		
West Seventy-ninth Street Pier, N. R. north side)	Oct., 1893	1,183	.....	.....	.....	.....	15
†West Seventy-ninth Street Pier, N. R. (south side) dumping-board	Jan., 1894	2,511	.....	.....	.....	.....	15
Bulkhead between Seventy-ninth and Eightieth streets, N. R.	Oct., 1893	4,016	.....	.....	.....	.....	15
Bulkhead foot West Eightieth street, N. R.	Oct., 1893	924	.....	.....	.....	.....	15
Bulkhead foot West Ninety-sixth street, N. R.	Dec., 1893	411	.....	.....	.....	.....	15
*West One Hundred and Twenty ninth street, N. R., dumping board	Dec., 1893	2,501	.....	.....	.....	.....	15
*West One Hundred and Thirty third street N. R. north side	Jan., 1894	.....	.....	.....	.....	562 cubic yds. bricks, etc.	20
Bulkhead between Piers 4 and 5, E. R.	Sept., 1893	2,320	.....	.....	.....		
Pier, old 5, E. R. east side	Oct., 1893	588	.....	.....	.....	.....	10
	May, 1893	10,434	.....	.....	.....	.....	12 to 15
Bulkhead between Piers, old 5 and 6, E. R.	June, 1893	831	.....	.....	.....	.....	10 to 20
	June, 1893	1,168	.....	.....	.....	.....	10
Pier, old 6, E. R.	May, 1893	12,419	.....	.....	.....	.....	12 to 15
	June, 1893	7,546	.....	.....	.....	.....	10 to 20
Bulkhead between Piers, old 6 and new 6, E. R.	May, 1893	808	.....	.....	.....	.....	10
Pier, new 6, E. R.	May, 1893	20,304	.....	.....	.....	.....	12 to 15
Bulkhead between Piers, new 6 and new 7, E. R.	May, 1893	650	.....	.....	.....	.....	10 to 20
Pier, new 7, E. R. west side	May, 1893	9,598	.....	.....	.....	.....	12 to 15
†Pier 12, E. R., dumping-board	Dec., 1893	2,115	.....	.....	.....	.....	10 to 20
Pier, new 2, E. R. west side	April, 1893	4,778	.....	.....	.....	.....	15
Pier 43, E. R. west side	Dec., 1893	4,509	.....	.....	.....	.....	15
†Pier 44, E. R., dumping-board	Dec., 1893	1,475	.....	.....	.....	.....	15
Pier, old 53, E. R. east side	Sept., 1893	.....	.....	.....	1,740	.....	15
	Oct., 1893	.....	.....	.....	1,468		

## Dredgin

CONTRACT NO. OR TREASURER'S ORDER NO.	AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT
T.O. No. 17515 ..	Sec. Order No. 13456.....	Morris & Cumings Dredging Co ..	Jan. 17, 1894	Jan. 18, 1894	\$0 18 3/4	\$98
Contract No. 435.	Res. of Bd., Feb. 9, 1893..	P. Sanford Ross ...	Mar 16, 1893	May 15, 1893	19	4,340
T.O. No. 17512 ..	Sec. Order No. 13485.	Morris & Cumings Dredging Co ..	Jan. 5, 1894	Jan. 9, 1894	18 3/4	934
T.O. No. 17584 ..	.....	Morris & Cumings Dredging Co ..	Feb. 9, 1894	Feb. 12, 1894	18 3/4	911
T.O. No. 17154 ..	.....	Morris & Cumings Dredging Co ..	Aug. 19, 1893	Aug. 22, 1893	19	903
T.O. No. 17694 ..	Sec. Order No. 13595.....	Morris & Cumings Dredging Co ..	Mar. 24, 1894	Mar 26, 1894	18 3/4	941
T.O. No. 17412 ..	Sec. Order No. 13378... ..	Morris & Cumings Dredging Co ..	Dec. 2, 1893	Dec. 4, 1893	18 3/4	451
T.O. No. 17365 ..	.....	Morris & Cumings Dredging Co ..	Nov 11, 1893	Nov 12, 1893	18 3/4	957
			Recommend'd Apr. 23, 1894	.....	20	528
				.....	50	415
	Res. of Bd., Feb. 6, 1889.	Morris & Cumings Dredging Co ..	.....	.....	20	2,510
			.....	.....	20	1,410
			.....	.....	18 3/4	2,299
			.....	.....	18 3/4	391
			.....	Temp. susp'd Mar 12, 1894	18 3/4	1,092
			Oct. 25, 1893	.....	10 3/4	1,227
	Res. of Bd., Oct. 19, 1893.	Morris & Cumings Dredging Co ..	.....	Temp. susp'd Mar. 24, 1894	10 3/4	825
			.....	.....	18 3/4	4,467
T.O. No. 17283 ..	Sec. Order No. 13171.....	Morris & Cumings Dredging Co ..	Oct. 25, 1893	Oct. 27, 1893	19 3/4	231
T.O. No. 17515 ..	Sec. Order No. 13457.....	Morris & Cumings Dredging Co ..	Jan. 12, 1894	Jan. 15, 1894	18 3/4	470
T.O. No. 17274 ..	.....	Morris & Cumings Dredging Co ..	Oct. 19, 1893	Oct. 20, 1893	19 3/4	703
T.O. No. 17283 ..	.....	Morris & Cumings Dredging Co ..	Oct. 26, 1893	Oct. 27, 1893	19 3/4	182
T.O. No. 17492 ..	Sec. Order No. 13449.....	Morris & Cumings Dredging Co ..	Dec. 28, 1893	Dec. 29, 1893	18 3/4	77
T.O. No. 17424 ..	Sec. Order No. 13378.....	Morris & Cumings Dredging Co ..	Dec. 16, 1893	Dec. 18, 1893	18 3/4	468
T.O. No. 17526 ..	Sec. Order No. 13473. ..	Morris & Cumings Dredging Co ..	Dec. 16, 1893	Jan. 16, 1894	45	257
Contract No. 438.	Res. of Bd., July 27, 1893.	Atlantic Dredging Co. ....	Sept. 22, 1893	.....	34	788
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois ...	May 25, 1893	Oct. 3, 1893	34	190
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois ...	.....	June 2, 1893	20	2,026
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois ...	June 1, 1893	June 1, 1893	20	166
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois ...	May 4, 1893	.....	20	223
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois ...	.....	June 8, 1893	20	2,483
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois .....	May 9, 1893	May 9, 1893	20	1,509
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois .....	May 1, 1893	May 17, 1893	20	161
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois .....	May 13, 1893	May 20, 1893	20	4,060
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois .....	May 13, 1893	May 20, 1893	20	130
Contract No. 438.	Res. of Bd., Mar. 9, 1893.	Charles DuBois .....	May 13, 1893	May 20, 1893	20	1,919
T.O. No. 17424 ..	Sec. Order No. 13378.....	Morris & Cumings Dredging Co ..	Dec. 9, 1893	Dec. 12, 1893	18 3/4	396
T.O. No. 17738 ..	.....	Morris & Cumings Dredging Co ..	Apr. 16, 1894	Apr 18, 1894	18 3/4	895
T.O. No. 17448 ..	Sec. Order No. 13417.....	Morris & Cumings Dredging Co ..	Dec. 11, 1893	Dec. 14, 1893	18 3/4	845
T.O. No. 17445 ..	Sec. Order No. 13378... ..	Morris & Cumings Dredging Co ..	Dec. 13, 1893	Dec. 15, 1893	18 3/4	276
Contract No. 438.	Res. of Bd., July 27, 1893.	Atlantic Dredging Co. ....	Sept. 18, 1893	.....	34	991
			.....	Oct. 14, 1893	34	499

## Dredging.

LOCATION	MONTH.	CUBIC YARDS.				MISCELLANEOUS.	DEP AT M LOW WAT
		Mud.	Crib, Class "A."	Crib, Class "B."	Sand, etc.		
Bulkhead between Piers, old 53 and 54, E. R. ....	Oct., 1893	.....	.....	.....	505	.....	Fm 15
Pier, old 54, E. R. (west side) .....	Sept., 1893	.....	.....	.....	1,590	.....	15
	Oct., 1893	.....	.....	.....	1,794	.....	
Pier, 55, E. R. (south side)....	Jan., 1894	4,398	.....	.....	.....	.....	25
Pier 61, E. R. (north side) . ....	May, 1893	.....	.....	.....	1,848	.....	20
	June, 1893	.....	.....	.....	5,098	.....	
	Sept., 1893	683	.....	.....	.....	.....	
	Oct., 1893	810	.....	.....	.....	.....	
Stanton Street Section, E. R., bulk head-wall .....	Nov., 1893	1,167 1,524	.....	.....	.....	.....	18
	Dec., 1893	1,628 900	.....	.....	656	.....	
Pier, old 62, E. R. (outer portion) ...	May, 1893	4,177	.....	.....	.....	.....	14 00
	June, 1893	3,057	4,108	98	.....	.....	
Pier, old 62, E. R. (half slip south) ....	Mar., 1894	672	.....	.....	664	.....	20
†East Seventeenth street, E. R., dumping-board .....	Dec., 1893	1,481	.....	.....	.....	.....	15
East Twenty-fourth street, E. R. (north side) .....	Oct., 1893	4,497	.....	.....	.....	.....	15
Bulkhead between East Twenty- fourth and East Twenty-fifth streets, E. R. ....	Oct., 1893	2,452	.....	.....	.....	.....	15
East Twenty-fifth street Pier, E. R. ...	Oct., 1893	3,660 4,992	.....	.....	.....	.....	15
East Twenty-fifth Street Section, E. R., bulkhead wall .....	Sept., 1893	731	.....	.....	.....	.....	15 10
	Oct., 1893	4,216	5,053	.....	.....	.....	
	Feb., 1894	600	.....	.....	.....	.....	
East Twenty-sixth Street Pier, E. R. (south side) .....	Oct., 1893	3,729	.....	.....	.....	.....	1
East Twenty-ninth Street Pier, E. R. ...	Nov., 1893	14,821	.....	.....	.....	.....	2
†East Thirty-eighth street, E. R., dumping-board .....	May, 1893	537	.....	.....	.....	.....	1
	Dec., 1893	302	.....	.....	.....	.....	1
	Jan., 1894	711	.....	.....	.....	.....	
†East Forty-sixth street, E. R., dumping-board .....	Aug., 1893	976	.....	.....	.....	.....	1
*East Forty-sixth street, E. R., dumping-board .....	Aug., 1894	225	.....	.....	.....	.....	
†Storehouse Dock, Blackwell's Island	June, 1893	.....	.....	.....	.....	674 cubic yds. mud, stone, etc	2 1
†East Eightieth street, E. R., dump- ing-board .....	July, 1893	580	.....	.....	.....	.....	1
	Oct., 1893	4,736	.....	.....	379	117 cubic yds. rip-rap	
		.....	.....	.....	4,117	.....	
		.....	.....	.....	708	2,654 cubic yds. rip-rap	
East Ninety-first Street Section, H. R., bulkhead-wall .....	Nov., 1893	.....	.....	.....	892 cubic yds. crib, rip-rap, sand, etc	21 driven piles and pile points Removing one wreck	15
		.....	.....	.....	1,495	.....	
		.....	.....	.....	1,259	811 cubic yds. rip-rap	
	Dec., 1893	.....	.....	.....	.....	724 cubic yds. crib, rip-rap, sand, etc	

ACT NO. OR CASHER'S ORDER No.	AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT.
act No. 458.	Res. of Bd., July 27, 1893.	Atlantic Dredging Co. ....	Oct. 19, 1893	Oct. 19, 1893	\$0 34	\$171 70
act No. 458.	Res. of Bd., July 27, 1893.	Atlantic Dredging Co. ....	Sept. 20, 1893	Oct. 20, 1893	34	540 60
No. 17514 ..	Sec. Order No. 13486.....	Morris & Cumings Dredging Co. ....	Jan. 10, 1894	Jan. 11, 1894	18 3/4	823 50
act No. 440.	Res. of Bd., Mar. 30, 1893.	Morris & Cumings Dredging Co. ....	May 29, 1893	June 9, 1893	98	1,811 04
			Sept. 19, 1893		98	4,990 16
					20	136 60
					20	162 00
					20	233 40
					17	259 08
					98	642 88
					17	276 76
				Temp. susp'd		
				Dec. 18, 1893	18 3/4	168 75
			May 23, 1893		20	835 48
					20	411 40
act No. 439.	Res. of Bd., Mar. 16, 1893.	Morris & Cumings Dredging Co. ....		June 15, 1893	1 00	4,108 00
					40	39 20
No. 17625 ..	Sec. Order No. 13599 .....	Morris & Cumings Dredging Co. ....	Mar. 5, 1894	Mar. 7, 1894	18 3/4	126 00
No. 17445 ..	Sec. Order No. 13378 .....	Morris & Cumings Dredging Co. ....	Dec. 19, 1893	Dec. 20, 1893	98	650 72
No. 17297 ..		Morris & Cumings Dredging Co. ....	Oct. 20, 1893	Oct. 26, 1893	18 3/4	266 44
					17	764 49
No. 17298 ..		Morris & Cumings Dredging Co. ....	Oct. 24, 1893	Oct. 25, 1893	17	416 84
					19 1/4	722 85
	Res. of Bd., May 22, 1892.	Morris & Cumings Dredging Co. ....	Oct. 10, 1893	Oct. 19, 1893	20	998 40
			Sept. 25, 1893		20	146 20
					20	847 20
	Res. of Bd., Oct. 27, 1892.	Morris & Cumings Dredging Co. ....			1 00	5,053 00
				Temp. susp'd		
				Feb. 19, 1894	20	120 00
No. 17299 ..		Morris & Cumings Dredging Co. ....	Oct. 27, 1893	Oct. 30, 1893	17	633 93
	Res. of Bd., Nov. 2, 1893.	Morris & Cumings Dredging Co. ....	Nov. 11, 1893	Temp. susp'd		
				Nov. 11, 1893	20	2,064 20
No. 16811 ..	Sec. Order No. 12695	Morris & Cumings Dredging Co. ....	May 3, 1893	May 3, 1893	20	107 40
No. 17490 ..	Sec. Order No. 13431.....	Morris & Cumings Dredging Co. ....	Dec. 30, 1893		18 3/4	56 63
				Jan. 1, 1894	18 3/4	133 31
			Aug. 23, 1893		19	185 44
No. 17135 ..	Sec. Order No. 13065.....	Charles DuBois ..		Aug. 24, 1893	19	42 94
act No. 442.	Res. of Bd., Mar. 30, 1893.	Barth. S. Cronin ..	June 17, 1893	June 21, 1893	1 50	1,011 00
No. 17070 ..	Sec. Order No. 13027. .	Charles DuBois.....	July 28, 1893	July 28, 1893	20	116 00
			Oct. 13, 1893		19	904 97
					40	131 60
					48	52 80
					40	1,646 80
					60	424 80
					48	1,273 92
					75	660 00
	Res. of Bd., May 25, 1893.	Babcock, Lary & Co .....			1 00	42 00
						125 00
					40	598 00
					60	735 40
					48	389 28
				Temp. susp'd		
				Dec. 15, 1893	75	543 00

## Dredging

LOCATION	MONTH	CUBIC YARDS.				MISCELLANEOUS.	DEPTH AT MEAN LOW WATER.
		Mud.	Crib, Class "A."	Crib, Class "B."	Sand, etc.		
East One Hundredth Street Pier, H. R. ....	Feb., 1894	2,319	....	....	..	.....	Fee
Bulkhead foot East One Hundred and Sixth street, H. R. ....	July, 1893	1,017	..	..	..	.....	15
Bulkhead foot East One Hundred and Seventh street, H. R. ....	July, 1893	959	....	..	..	.....	12
East One Hundred and Nineteenth Street Pier, H. R. ....	April, 1894	2,291	..	....	....	.....	12
†Bulkhead foot East One Hundred and Twentieth street, H. R. ....	Feb., 1894	228	..	..	....	.....	12
†House of Refuge, Randall's Island..	Feb., 1894	....	....	....	....	644 cubic yds. gravel, etc. ....	12
†Lincoln avenue, H. R., dumping- board ..	Dec., 1893	1,202	....	....	..	.....	15
†North Brother Island, E. R. ....	Sept., 1893	2,498	..	....	..	.....	12
Totals .....	.....	511,130	25,333	670	46,657	4,211 cubic yds. rip-rap, 562 cubic yds. brick, 674 cubic yds. mud, stone, etc.; 644 cubic yds. gravel, etc.; 830 cubic yds. rip-rap and cobbles; 1,616 cubic yds. crib, rip rap, sand, etc., removing 2 wrecks, time, 498 hours 35 minutes, 613 driven piles and pile points .....	

NOTE —Premises marked thus † denotes where work has been done for other

CONTRACT NO. OR TREASURER'S ORDER NO.	AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT.
.....	Res. of Bd., Feb. 1, 1894..	{ Morris & Cumings } { Dredging Co ... }	Feb. 11, 1894 {	Temp. susp'd Feb. 12, 1894 }	\$0 18 3/4	\$434 80
T. O. No. 17070 ..	Sec Order No. 13028.....	Charles DuBois .....	July 24, 1893	July 24, 1893	20	203 40
T. O. No. 17070 ..	Sec. Order No. 13028.....	Charles DuBois .....	July 24, 1893	July 25, 1893	20	191 80
T. O. No. 17678 ..	Sec. Order No. 13632.....	{ Morris & Cumings } { Dredging Co ... }	Apr. 4, 1894	Apr. 7, 1894	18 3/4	429 50
T. O. No. 17608 ..	Sec. Order No. 13576.....	{ Morris & Cumings } { Dredging Co ... }	Feb. 20, 1894	Feb. 20, 1894	18 3/4	42 75
T. O. No. 17608 ..	Sec. Order No. 13576.....	{ Morris & Cumings } { Dredging Co ... }	Feb. 21, 1894	Feb. 23, 1894	1 00	644 00
T. O. No. 17465 ..	Sec. Order No. 13378.....	{ Morris & Cumings } { Dredging Co ... }	Dec. 29, 1893	Dec. 29, 1893	18 3/4	225 30
T. O. No. 17211 ..	Sec. Order No. 13118.....	{ Morris & Cumings } { Dredging Co ... }	Sept. 15, 1893	Sept. 19, 1893	37 1/2	936 75
.....	.....	.....	.....	.....	.....	\$165,338 20

departments, and thus \* where work has been done at the expense of private parties.



## Dredging.

## Statement of Dredging Done by Lessees, Claimants and Others, under Order or Permit of the Board.

LOCATIONS	DEPTH MADE.	AUTHORIZATION	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.
	Feet				
Bulkhead between Piers, old 4 and 5 North river	15	Permit.....	Pennsylvania Railroad Company	June 11, 1893	June 25, 1893
Bulkhead between Piers, old 5 and 6, North river.	10 to 20	Permit . . . . .	New York and Baltimore Transportation Company	Sept. 16, 1893	Sept. 16, 1893
Pier, new 13, North river.	25	Permit . . . . .	John H. Starin.....	Jan. 26, 1894	Jan. 31, 1894
Pier, new 41, North river	15 to 30	Order . . . . .	Delaware, Lackawanna and Western Railroad Company.....	Jan. 15, 1894	Jan. 18, 1894
Pier, new 54, North river	25	Permit . . . . .	Henderson Brothers ..	April 4, 1894	April 17, 1894
Pier at Thirty-sixth street, North river	10 to 14	Permit . . . . .	New York Central and Hudson River Railroad Company.....	July 13, 1893	July 13, 1893
Pier at Thirty-sixth street, North river.	14	Permit . . . . .	New York Central and Hudson River Railroad Company	Jan. 16, 1894	Jan. 20, 1894
Pier at Seventieth street and bulkhead at Seventy-second street, North river	20 to 25	Permit . . . . .	New York Central and Hudson River Railroad Company	Dec. 11, 1893	Jan. 6, 1894
Pier at Ninety-sixth street, North river	6 to 10	Permit . . . . .	Moquin & Offerman	Oct. 28, 1893	Oct. 28, 1893
Dump at Pier 12, East river.	10	Permit . . . . .	Brown & Fleming	May 27, 1893	May 28, 1893
Dump at Pier 12, East river	12	Permit . . . . .	Brown & Fleming.....	Aug. 6, 1893	Aug. 6, 1893
Slip between Piers, new 7 and old 9, East river	20	Order . . . . .	Owners.	Apr. 7, 1894	April 17, 1894
Pier 14, East river, west side	20	Order . . . . .	Owners or claimants.....	Dec. 2, 1893	Dec. 11, 1893
Bulkhead between Piers 14 and 15, East river.....	15 to 20	Permit . . . . .	John F. Doyle & Sons.....	Dec. 3, 1893	Dec. 4, 1893
Pier 24, East river, east side.	10	Permit . . . . .	Hartford and New York Transportation Company.....	June 8, 1893	June 9, 1893
Dump at Jackson street, East river.	10	Permit . . . . .	Brown & Fleming.....	May 29, 1893	May 29, 1893
Dump at Jackson street, East river	12	Permit . . . . .	Brown & Fleming.....	Aug. 8, 1893	Aug. 9, 1893
Dump at Broome street, East river.....	11	Permit . . . . .	Brown & Fleming	Aug. 7, 1893	Aug. 7, 1893
Pier at Seventh street, East river		Permit . . . . .	Morgan & McGovern	Jan. 23, 1894	Jan. 27, 1894
Pier at Nineteenth street, East river	1 to 24	Permit . . . . .	John U. Brackman	Feb. 5, 1891	Feb. 21, 1891

Bulkhead between Twenty-second and Twenty-third streets, East river .....	12	Permit.....	{ Brooklyn and New York Ferry Com- pany .....	Apr. 6, 1894	Apr. 7, 1894
Dump between Twenty-eighth and Twenty-ninth streets, East river .....	15	Permit .....	M. Goodwin.....	Nov. 19, 1893	Nov. 19, 1893
Dump between Twenty-eighth and Twenty-ninth streets, East river .....	15	Permit.....	M. Goodwin .....	Apr. 23, 1894	Apr. 23, 1894
Dump at Fortieth street, East river.....	12	Permit.....	Brown & Fleming.....	May 27, 1893	May 27, 1893
Dump at Fortieth street, East river.....	15	Permit.....	Brown & Fleming .....	Aug. 10, 1893	Aug. 10, 1893
Dump at Fortieth street, East river.....	12	Permit .....	Brown & Fleming.....	Mar. 26, 1894	Mar. 26, 1894
Bulkhead between Fifty-fourth and Fifty-fifth streets, East river .....	5 to 10	Permit.....	Consumers' Brewing Company .....	Nov. 27, 1893	Dec. 1, 1893
Dump between Fifty-ninth and Sixtieth streets, East river.....	12	Permit .....	Brown & Fleming .....	May 28, 1893	May 28, 1893
Dump between Fifty-ninth and Sixtieth streets, East river.....	20	Permit.....	Brown & Fleming.....	Aug. 10, 1893	Aug. 10, 1893
Dump between Fifty-ninth and Sixtieth streets, East river .....	15	Permit.....	Brown & Fleming.....	Mar. 25, 1894	Mar. 25, 1894
Bulkhead between One Hundred and Sixth and One Hundred and Seventh streets, Harlem river.....	10	Order .....	Owners.....	July 27, 1893	July 28, 1893
Port Morris, East river .....	10	Permit.....	{ New York Central and Hudson River Railroad Company.....	May 13, 1893	May 17, 1893

**WORK SUPERVISED.**

WORK DONE, OTHER THAN DREDGING, BY ALLEGED OWNERS AND LESSEES OF PIERS AND OTHERS, BY ORDER OR UNDER PERMIT OF THE BOARD OF DOCKS, AND UNDER THE SUPERVISION OF THE ENGINEER-IN-CHIEF.

ON THE NORTH RIVER.

*Southwest End of the Battery, N. R.*

Secretary's Order No. 12800.—A swimming bath was placed thereat by employees of William A. Hall, under permit of the Board. Begun and finished May 31, 1893.

*Battery Sea-wall, N. R.*

Secretary's Order No. 13036.—Rip-rap stone was deposited in front thereof by J. Dwyer, contractor, for the Department of Public Parks, under permit of the Board. Begun July 21 and finished December 16, 1893.

*Bulkhead Platform in front of Castle Garden, N. R.*

Secretary's Order No. 13435.—The strip of plank recently removed therefrom by employees of the Department of Public Parks was replaced by said employees, by order of the Board. Begun and finished February 10, 1894.

*Pier, new 1, N. R.*

Secretary's Order No. 12747.—The spring piles, square fenders and backing-log were renewed where necessary; several other spring piles were refastened, and the corrugated-iron on shed of pier was also repaired, where necessary, by Henry DuBois' Sons, contractors, for lessees, by order of the Board. Begun May 1 and finished May 29, 1893.

Secretary's Order No. 13063.—One white oak spring pile was renewed on the north side of pier and several others refastened; the vertical sheathing at outer end of pier was repaired, and the 3-inch sheathing on deck of pier at inner end renewed, by employees of the New York, Lake Erie and Western Railroad Company, under permit of the Board. Begun August 4 and finished August 9, 1893.

Secretary's Order No. 13101.—The shed thereon was painted and repaired, where necessary, by employees of lessees, by order of the Board. Begun September 22 and finished November 1, 1893.

*New-made Land between Battery Place and Pier, new 1, N. R.*

Secretary's Order No. 12737.—Telephone and telegraph wires were placed under ground by the Telephone and Telegraph Company, commencing at a point about the southwest corner of Battery place and West street, and extending to the inshore corner of Pier "A." Begun April 8 and finished May 10, 1893.

*Pier, old 4, N. R.*

Secretary's Order No. 13363.—Two rows of piles were driven and capped, other repairs made, and 3 white oak fender-piles placed and chocked at outer end of pier, and corner clumps repaired by placing 13 white oak fender-piles in position, by the Pennsylvania Railroad Company, under permit of the Board. Begun November 9, 1893, and finished January 4, 1894.

Secretary's Order No. 13698.—The horizontal sheathing on both sides of pier was repaired by employees of the Pennsylvania Railroad Company, by order of the Board. Begun April 11 and finished April 19, 1894.

*Pier 11, N. R.*

Secretary's Order No. 13019.—Sixteen spring piles were driven and fastened on sides and outer end of pier, by John Monks & Son, contractors, for the Metropolitan Steamship Company, under permit of the Board. Begun July 11 and finished July 18, 1893.

*Pier 12, N. R.*

Secretary's Order No. 12629.—The fender piles were renewed and retastened on sides and outer end of pier, where necessary, by employees of the Central Railroad Company of New Jersey, under permit of the Board. Begun March 10 and finished July 3, 1893.

*Foot of Liberty Street, N. R.*

Secretary's Order No. 12637.—The piles on ferry-racks thereat and ribbon pieces on same were renewed, where necessary, by employees of the Central Railroad Company of New Jersey, under permit of the Board. Begun March 10 and finished July 13, 1893.

*Repairing Ferry-racks at Piers, old 14 and 15, N. R.*

Secretary's Order No. 13380.—This work, done by the Central Railroad Company of New Jersey, has been superintended, and consisted in removing 14 old and placing and fastening 14 new white oak fender piles at the northwest corner of Pier, old 15, North river. Begun December 3 and finished December 6, 1893.

*Cortlandt Street Ferry.*

Secretary's Order No. 13441.—The extending of the ferry-racks by the Pennsylvania Railroad Company is being done under permit of the Board. Begun January 24, 1894 : in progress.

Secretary's Order No. 13780.—Repairs to north ferry-rack by the Pennsylvania Railroad Company are being made under permit of the Board. Begun April 16, 1894 ; in progress.

*Bulkhead between Cortlandt and Dey Streets, N. R.*

Secretary's Order No. 13579.—The building of temporary freight-shed by John H. Starin has been supervised, and consisted in removing from the outer end of Pier, old 18, the three outer bents of the old shed, and placing the above section of this shed on the bulkhead about 120 feet south of the southerly side of Pier, new 14. The shed was also connected by means of a gangway about 15 feet in width with the north end of the old bulkhead-shed occupied by John H. Starin. Begun February 21 and finished March 17, 1894.

*Pier, new 13, N. R.*

Engineer's Order No. 13406.—This work of building Pier, new 13, North river, by the lessee, John H. Starin, has been supervised. Begun August 7, 1893 ; in progress.

*West Washington Market Section.*

Secretary's Order No. 12691.—Removing granite blocks has been supervised, and consisted in the removal, by Contractor Thomas Geraty, of a pile of about 120,000 granite paving blocks that were placed on the new-made land between Piers, new 14 and 15, North river. Begun April 3 and finished May 4, 1893.

*Bulkheads North and South of Pier, new 14, N. R.*

Secretary's Order No. 12603.—A shed was erected by the International Navigation Company on bulkhead north and south of Pier, new 14, North river. Begun July 18, 1893, and was finished April 30, 1894.

*Pier, new 14, N. R.*

Secretary's Order No. 12188.—A shed was erected by the International Navigation Company on Pier, new 14, North river, in accordance with plans and specifications. Begun April 21, 1893, and finished April 30, 1894.

Secretary's Order No. 13433.—Five submarine cables that formerly ran from the outer end of Pier, old 19, were taken up by the Postal Telegraph Company and removed to a new location, so as to run from Pier, old 19, about 300 feet along the northerly line of the outer end of Pier, new 13, as the pier is now built. Begun and finished December 30, 1893.

## Work Supervised.

*Bulkhead between Piers, new 14 and 15, N. R.*

Secretary's Order No. 13186.—A hoisting-engine was removed by the owner, Matthew Stripp. Begun and finished September 22, 1893.

Secretary's Order No. 13598.—Four vertical, 12 by 14 inches, oak fenders, about 10 feet long, spaced 3 feet 9 inches, 7 feet and 3 feet apart on the face of the bulkhead-wall, were placed at the bulkhead by the International Navigation Company. The fenders were fastened to the granite with Ahlstrom bolts and chocked with 4 by 10 inch yellow pine. Begun February 28 and finished March 12, 1894.

*Pier, new 15, N. R.*

Secretary's Orders Nos. 12623 and 13613.—The cable box at the pier is being removed by the Metropolitan Telephone and Telegraph Company to a location near the end of the pier and 2 extra cables were placed. Temporary connections were also made between the aerial cable and the old box. Begun March 8, 1893; in progress.

Secretary's Order No. 13246.—A new sub-marine cable was attached to the northwest corner of the pier by the Metropolitan Telephone and Telegraph Company. Begun and finished November 18, 1893.

*Barclay Street, N. R.*

Secretary's Order No. 12986.—Fourteen piles were renewed in ferry-racks thereat, where necessary, the ribbon pieces thereat were refastened and the sheathing on deck of approach to ferry-house repaired with new 3-inch spruce by P. Sanford Ross, contractor, for the Hoboken Ferry Company, under permit of the Board. Begun July 29 and finished August 9, 1893.

*Extending Pier, old 28, N. R.*

Secretary's Order No. 12423.—The work of extending Pier, old 28, North river, out to the pierhead-line of 1890, in accordance with permit dated June 9, 1893, by the lessees, the Old Colony Steamboat Company, has been supervised. The pier was also widened by the production of the south side of the extension inshore, a distance of about 117 feet. Rip-rap was placed on the bottom for about the outer half in length of the extension, in order to hold the piles, the rip-rap being brought to a grade of 20 feet below mean low water. The land under water covered by the extension and the widening is 16,275 feet. Begun October 15, 1892, and finished May 13, 1893.

*Building Shed on Extension to Pier, old 28, N. R.*

Secretary's Order No. 13203.—A shed on the extension to the pier has been built by the Old Colony Steamboat Company and consisted in the erection of a single story iron freight shed, 251 feet long and 56 feet wide, with 2 two-story iron towers at the westerly end of the shed. Begun December 7, 1893, and finished February 12, 1894.

*Driving Piles at Pier, old 28, N. R.*

Secretary's Order No. 13622.—Four old oak piles were removed and replaced by 4 new white oak fender piles, about 60 feet long, on the north side of Pier, old 28, North river; also placing 4 white oak fender piles on the south side of the pier. The work was done by the Old Colony Steamboat Company. Begun March 7 and finished March 12, 1894.

*Chambers Street Ferry, N. R.*

Secretary's Order No. 13358.—The work of extending the ferry-rack was done by the New York, Lake Erie and Western Railroad Company, and consisted in extending the southerly rack of the south slip of the New York, Lake Erie and Western Railroad Company 245 feet, in accordance with the corrected plans and specifications. Begun November 27, 1893, and finished February 5, 1894.

*Pier, new 20, N. R.*

Secretary's Order No. 13476.—The corners of the pier were repaired by the New York, Lake Erie and Western Railroad Company, the armature plates being replaced by new ones. The work in connection with repairs to Pier, new 21, North river, was begun January 30 and finished April 23, 1894.

Secretary's Order No. 13781.—The fender piles at outer end of pier were renewed, where necessary, and the horizontal sheathing on sides of pier repaired by employees of the New York, Lake Erie and Western Railroad Company, lessees, under permit of the Board. Begun April 18 and finished April 21, 1894.

*Pier, new 21, N. R.*

Secretary's Order 13476.—The cluster of oak fender piles at the corner of the pier were removed, the armature plates were replaced at southerly corner of pier: 18 white oak spring piles were placed and fastened. The work was done by the employees of the New York, Lake Erie and Western Railroad Company in conjunction with repairs to Pier, new 20, North river. Begun January 30 and finished April 23, 1894.

Secretary's Order No. 13782.—The fender piles at outer end of pier were renewed, where necessary, and the horizontal sheathing on sides of pier repaired by employees of the New York, Lake Erie and Western Railroad Company, under permit of the Board. Begun April 16, and finished April 24, 1894.

*Pier, new 22, N. R.*

Secretary's Order No. 12852.—The work of erecting a shed on pier and adjoining bulkhead by the Baltimore and Ohio Railroad Company is being done. Begun April 11, 1894; in progress.

Secretary's Order No. 13565.—This work, done by the Baltimore and Ohio Railroad Company, has been supervised, and consisted in erecting a movable building on the north side of the pier, 9 feet long by 6 feet wide (close to the inner end of the pier). Begun and finished January 30, 1894.

Secretary's Order No. 13697.—The damage to the pier occasioned by the collision with the ferry boat "Newburgh" was repaired by the West Shore Railroad Company for the Baltimore and Ohio Railroad Company, and consisted in replacing one white oak fender pile, about 60 feet long, and refastening the chocking at the northwest corner of the pier. Begun April 17 and finished April 19, 1894.

*Guards for Electric-light Poles at Chambers, Jay and Harrison Streets.*

Secretary's Order No. 12929.—This work was done by the Brush Electric-light Company, and consisted in the placing of 3 pieces of 5 by 5 inch timber around the electric-light poles, the timber being sunk in the ground about 2½ feet, and the remaining portion of the guard, about 3 feet in length, standing above the level of the surrounding pavement; the poles were situated at the foot of Chambers, Jay and Harrison streets. Begun June 15, and finished June 17, 1893.

*New-made Land at Harrison Street.*

Secretary's Order No. 12436.—This work, done by the West Shore Railroad Company, consisted in the placing of 8 by 16 inch yellow pine timber, laid on the flat, in front of ferry entrance south of Pier, new 22, North river, and also in front of the bulkhead-shed north of the above pier. This work was never entirely finished, and the removal of the portion that was laid was commenced on September 15, in order to allow the pavement, under Contract No. 452, to be laid. Begun December 11, 1892, and finished October 21, 1893.

*Ferry-house, Shed, etc., at Pier, new 23, N. R.*

Secretary's Order No. 11611.—An iron shed was erected on Pier, new 23, North river, and an iron ferry-house, etc., on bulkhead adjoining, by the West Shore Railroad Company; also a ferry bridge, and rack for same, was erected in the slip south of Pier, new 23, North river. Begun January 11, 1892, and finished July 16, 1893.

## Work Supervised.

*Cotton on Bulkhead at Franklin Street.*

Secretary's Order No. 12850.—About 1,000 bales of cotton were placed by Messrs. Woodrow & Lewis, auctioneers, on the new-made unpaved land between the north side of Pier, new 24, North river, and the south side of Pier, new 25, North river, occupying this area a period of 15 days. Begun May 12 and finished May 26, 1893.

*Pier, new 24, N. R.*

Secretary's Order No. 13003.—Four spring piles were driven and fastened on the south side of pier by R. P. and J. H. Staats, contractors, for the Homer Ramsdell Transportation Company, under permit of the Board. Begun July 1 and finished July 3, 1893.

Secretary's Order No. 13346.—Repairs were made to the pier by the Homer Ramsdell Transportation Company, consisting in placing and fastening 6 white oak fender piles to replace broken and rotten ones removed. Begun November 18 and finished November 20, 1893.

*Erecting Shed on Pier, new 24, N. R.*

Secretary's Order No. 12385.—The Homer Ramsdell Transportation Company extended the iron shed on Pier, new 24, North river, a distance of about  $99\frac{3}{4}$  feet over the extension to the pier recently built. Begun February 24 and finished May 6, 1893.

Secretary's Order No. 13215.—A light frame structure, about 10 feet wide by 30 feet long, was erected by the Stephens & Condit Transportation Company. Begun and finished September 27, 1893.

*Pier, new 26, N. R.*

Secretary's Order No. 12782.—The replacing of planking in front thereof was done by employees of the Old Dominion Steamship Company, under permit of the Board. Begun May 17 and finished May 27, 1893.

*Repairs to Pier, new 27, N. R.*

Secretary's Order No. 13683.—Nine white oak fender piles at the southwest corner of the pier were replaced, with the necessary chocking; also about 945 feet, B. M., of 7 by 10 inch white oak horizontal sheathing was replaced at a point on the north side, about 25 feet east of the westerly end of the pier. The white oak sheathing on the south side of the pier was refastened in various places. The work was done by employees of Pennsylvania Railroad. Begun March 27 and finished April 13, 1894.

*Approaches to Piers, new 27 and 28, N. R.*

Secretary's Order No. 10131.—Work done by the Pennsylvania Railroad Company, from time to time, when necessary, has been supervised, and consisted in repairing the paved temporary approaches to Piers, new 27 and 28, North river. Begun June 4, 1890; in progress.

*Repairs to Pier, new 28, N. R.*

Secretary's Order No. 13682.—About 600 feet, B. M., of 5 by 10 inch yellow pine vertical sheathing, at the westerly end of the pier, and about 160 feet, B. M., of 2 by 10 inch white oak horizontal sheathing, at a point on the south side about 50 feet east of the westerly end of the Pier, were replaced, and the white oak sheathing on the south side of the Pier was fastened. Work was done by employees of Pennsylvania Railroad Company. Begun April 2 and finished April 13, 1894.

*Pier, new 29, N. R.*

Secretary's Order No. 13628.—The white oak fender piles at the southerly corner of Pier, new 29, North river, and the vertical chock on the north side of the westerly end of the pier were refastened; also a broken white oak fender pile on the south side of, and 25 feet 4 inches east of the westerly end of the pier was replaced; work was done by employees of the Pennsylvania Railroad Company. Begun March 10 and finished March 24, 1894.

*Old Bulkhead at Pier, old 39½, N. R.*

Secretary's Order No. 13641.—Repairs to the bulkhead were made by the Pennsylvania Railroad Company, and consisted in taking up about 10 square yards of pavement at the edge of the platform opposite Pier, old 39½, and about 65 feet from the easterly line of West street. The bulkhead was repaired with 3-inch plank, the filling replaced and the pavement relaid. Begun March 14 and finished March 15, 1894.

*Desbrosses Street Ferry.*

Secretary's Order No. 13221.—Croton water main in front of Desbrosses Street Ferry was repaired by Thomas Sheridan. Begun October 3 and finished October 6, 1893.

Secretary's Order No. 13316.—Repairs to the ferry-rack were made by the Pennsylvania Railroad Company, and consisted in rebuilding about 100 feet of the north rack of the south slip, placing and fastening new piles, sheathing and ribbon pieces in the south rack of the south slip; also, the placing of a new pontoon, etc., and repairing the end facing timbers on the bridge in the south slip. Begun October 20 and finished November 15, 1893.

*Piers, old 40 and 44, N. R.*

Secretary's Order No. 13633.—Damages by ferryboat collision were repaired by the Pennsylvania Railroad Company, and consisted in removing 4 broken fender-piles from the northwest corner of Pier, old 41, North river, and replacing them with 4 new white oak piles, and refastening the decking at the westerly end of the pier for an area of about 30 by 40 feet; also in replacing 6 pieces of 4 by 10 inch sheathing on the westerly face of Pier, old 40, North river. Begun March 7 and finished March 12, 1894.

*Approach to Pier, old 41, N. R.*

Secretary's Order No. 12820.—The approach was resheathed by employees of the New Jersey Steamboat Company, under permit of the Board. Begun May 9 and finished May 11, 1893.

*Pier, old 41, N. R.*

Secretary's Order No. 13257.—Repairs to pier were made by the New Jersey Steamboat Company, consisting in sheathing the westerly end of the pier for about 60 feet with 3-inch spruce plank, and the northwest cluster of fender piles damaged by collision September 13, 1893, were secured in place, and the chocking for same was repaired. Begun October 16 and finished October 29, 1893.

Secretary's Order No. 13475.—Repairing damage to pier done by ferryboat "Newburgh" collision was done by the Pennsylvania Railroad Company for the New Jersey Steamboat Company, and consisted in removing the broken vertical and horizontal sheathing, and the broken cross cap on the outer row of piles in the pier. The broken cross cap was repaired and replaced, and the horizontal and vertical sheathing replaced with material the same as that removed. Begun January 9 and finished January 19, 1894.

*Pier 42, N. R., at Canal Street.*

Secretary's Order No. 13574.—A coal hoisting derrick, derrick engine, coal hopper, and tally-house and scales are being placed on the pier by Cornelius McMonagle. Begun February 9, 1894, and suspended.

*Bulkhead adjoining Pier, new 36, N. R.*

Secretary's Order No. 12684.—A shed is being erected on the old bulkhead by the Providence and Stonington Steamship Company. Begun October 31, 1893; in progress.



## Work Supervised.

*Pier, new 36, N. R.*

Secretary's Order No. 13276.—Gangways are being cut and the position of the stairway on the north side of the pier changed by the Providence and Stonington Steamship Company. Begun October 26, 1893 ; in progress.

Secretary's Order No. 13319.—A shed was built on the extension to the pier by the Providence and Stonington Steamship Company. Begun January 6, and finished April 26, 1894.

Secretary's Order No. 13374.—A temporary shed was erected on the new-made land east of the pier by the Providence and Stonington Steamship Company. Begun November 29 and finished December 2, 1893.

Secretary's Order No. 13400.—Two temporary wooden gangways on each side of the inshore end of the pier have been erected by the Providence and Stonington Steamship Company. Begun December 7, 1893, and finished January 19, 1894.

Secretary's Order No. 13746.—Repairs, consisting of the replacing from 16 to 20 wearing piles, and the renewing of about 500 square-feet of planking, are being done by the Providence and Stonington Steamship Company. Begun April 9, 1893 ; in progress.

*Bulkhead North and South of Pier, new 36, N. R.*

Secretary's Order No. 13627.—This work of erecting an awning shed, is being done by the Old Dominion Steamship Company on the bulkheads north and south of the pier. Begun March 15, 1894 ; in progress.

*Bulkhead between Piers, new 36 and 37, N. R.*

Secretary's Order No. 13200.—This work of removing ice-bridge, tally-house, etc., has been done by the Consumers' Ice Company. Begun and finished October 31, 1893.

Secretary's Order No. 13696.—2 white oak fenders were placed and fastened to the bulkhead-wall with Ahlstrom bolts on either side of discharge-pipe by the Providence and Stonington Steamship Company. Begun April 6 and finished April 18, 1894.

*Pier new 38, N. R.*

Secretary's Order No. 13002.—A leak in the gas-pipe leading to the pier was repaired, the necessary excavations and filling-in and repaving being done by the New York Mutual Gas-light Company. Begun and finished June 24, 1893.

Secretary's Order No. 13333.—A new single track was laid on the extension to the pier by the New York Central and Hudson River Railroad Company. Begun November 15 and finished November 17, 1893.

Secretary's Order No. 13545.—Seven cargo derricks, about 58 feet high, were placed on the north side of the pier and stayed east and west by one-inch wire cables. Work was done by the White Star Steamship Company. Begun February 21 and finished March 8, 1894.

*Bulkhead between Piers, new 38 and 39, N. R.*

Secretary's Order No. 12824.—A steam coal-hoisting machine on wheels was placed thereon by employees of L. E. Muller, under permit of the Board. Begun and finished May 27, 1893.

Secretary's Order. 13223.—A portable hopper on wheels was placed on bulkhead by Edward L. Muller. Begun and finished December 16, 1893.

*Slip at South Side of Pier, new 39, N. R.*

Secretary's Order No. 13104.—A sunken canal boat was removed therefrom by employees of owners, who towed the said canal boat to Jersey City for repairs. Begun and finished August 19, 1893.

*Pier, new 39, N. R.*

Secretary's Order No. 13356.—Repairs to water-pipes under crosswalks were made by the National Steamship Company, after the Department had taken up the pavement under Secretary's Order No. 13385, and consisted in recalking the pipe-joints with lead. Begun November 16 and finished December 8, 1893.

*Pier, new 42, N. R.*

Secretary's Order No. 11985.—The square fenders on sides of pier, also the backing-log and deck of pier, were repaired, where necessary, by employees of lessees, under permit of the Board. Begun August 1, 1892, and finished July 13, 1893.

Secretary's Order No. 12147.—The location of water-closets, carpenter shop and tool-house thereat was changed, and necessary repairs made to the boiler-room on said pier by employees of lessees, under permit of the Board. Begun September 14, 1892, and finished July 13, 1893.

Secretary's Order No. 12807.—The shed thereon was repaired and painted, where necessary, by employees of lessees, by order of the Board. Begun May 1 and finished July 13, 1893.

*Ferry-rack at Pier, new 43, N. R.*

Secretary's Order No. 13488.—Removing clusters of piles and extending southerly ferry-rack, of Hoboken Ferry Company, is being done by the Hoboken Ferry Company. Begun April 3, 1894 ; in progress.

*Pier, new 44, N. R.*

Secretary's Order No. 13068.—The removal of derrick mast therefrom and the erection of same on Pier, new 38, North river, and also the necessary repairs to chocks and fenders on Pier, new 38, were done by P. Sanford Ross, contractor, for the Oceanic Steam Navigation Company, under permit of the Board. Begun July 29 and finished September 18, 1893.

*Bulkhead North of Pier, new 45, N. R.*

Secretary's Order No. 12875.—The backing-log on bulkhead-wall was repaired, where necessary, by R. P. & J. H. Staats, contractors, for lessees, by order of the Board. Begun and finished May 29, 1893.

*Approach to Pier, new 46, N. R.*

Secretary's Order No. 12918.—A sign was placed on the south side thereof by employees of the North River Steamboat Company, under permit of the Board. Begun June 22 and finished June 23, 1893.

*Pier, new 46, N. R.*

Secretary's Order No. 12949.—A door was cut through the south side of shed thereon and the gangway widened by employees of the North River Steamboat Company, under permit of the Board, the consent of lessee of pier having been obtained. Begun June 24 and finished June 26, 1893.

*Bulkhead between Tenth and Perry Streets, N. R.*

Secretary's Order No. 12463.—A platform was placed thereon in front of the oyster-scows moored thereat by employees of occupants, under permit of the Board. Begun July 17 and finished July 25, 1893.

*Foot of Eleventh Street, R. R.*

Secretary's Order No. 12790.—A sign was placed on Van Tassell's elevator thereat by employees of the Saugerties and New York Steamboat Company, under permit of the Board. Begun and finished May 25, 1893.

## Work Supervised.

*Bulkhead, West Eleventh Street, N. R.*

Secretary's Order No. 13460.—Changing bulkhead grade is being done by the E. M. Van Tassell Elevating Company, and consists in changing the grade of bulkhead so as to make it available for business purposes. Begun January 8, 1894 ; in progress.

*West Eleventh Street, N. R.*

Secretary's Order No. 13484.—Repairing the weigh-house was done by the Commonwealth Ice Company, under permit of the Board, and consisted in overhauling and repairing the weigh-house and scale platform, raising the roof of the weigh-house about 2 feet, and lengthening the weigh-house about 18 inches. Begun January 10 and finished January 31, 1894.

*North of West Eleventh Street, N. R.*

Secretary's Order No. 13592.—The string piece on bulkhead was raised by the owners, and consisted in fastening a plank across an unused gangway that had been cut in the string piece about 50 feet north of West Eleventh street. Begun and finished March 7, 1894.

*Bulkhead between Eleventh and Bank Streets, N. R.*

Secretary's Order No. 12834.—The backing-log thereon was renewed, where necessary, by employees of Johnson Decker, agent for Merchants and Farmers' Line, under permit of the Board. The placing of a hoisting derrick, tally-house and scales, were done under Secretary's Order No. 12768, dated April 14, 1893. Begun May 9 and finished May 10, 1893.

*Bulkhead between Bank and Bethune Streets.*

Secretary's Orders Nos. 13524, 13562, 13591, 13537.—This work, done by the owners, consists in cleaning, repairing and grading the bulkhead between Bank and Bethune streets. Begun March 22, 1894, and is now suspended.

*Pier at Bethune Street, N. R.*

Secretary's Order No. 12857.—A quantity of hay wire was removed therefrom by employees of lessees, by order of the Board. Begun May 26 and finished June 5, 1893.

Secretary's Order No. 13668.—The deck of pier was cleared and the sweepings removed by the lessees, A. T. Decker & Co. Begun March 15 and finished March 17, 1894.

*Bulkhead between Bethune and West Twelfth Streets, N. R.*

Secretary's Order No. 13523.—Repairs to bulkhead were made by Campbell, Nichols & Gwyers, and consisted in repairing the upper courses of face timbers of the crib, replacing some of the old timbers with new yellow pine, and placing and fastening a new 12 by 12 inch backing-log along the entire length of the bulkhead between the above points, a distance of about 160 feet. Begun March 1 and finished March 9, 1894.

*Pier at Jane Street, N. R.*

Secretary's Order No. 12846.—A temporary shed was erected thereon, 25 feet long, 15 feet wide and 12 feet high, by H. M. Smith & Son, contractors, for the New York and Long Branch Steamboat Company, under permit of the Board. Begun May 31 and finished June 2, 1893.

Secretary's Order No. 13209.—A spring pile was refastened at outer end of pier by employees of lessees, by order of the Board. Begun September 20 and finished September 21, 1893.

Secretary's Order No. 13686.—Repairs to pier have been made by the lessee, Joseph Cornell, and consisted in removing 7 half-round oak fenders on the north side of the pier and 1 on the south side ; also in placing a new 12 by 12 inch backing-log for a distance of about 10 feet on the north side, and repairing the deck near the inner end. Begun April 20 and finished April 21, 1894.

## Work Supervised.

Secretary's Order No. 13669.—The pier was cleared on the north side by the Tarrytown Steamboat Company, and on the south side by the Long Branch Steamboat Company, and the sweepings removed. Begun March 17 and finished March 24, 1894.

*Pier at Horatio Street, N. R.*

Secretary's Order No. 11941.—One armature plate at outer southerly corner of pier was renewed, and fender piles at outer corners thereof were renewed and refastened, by John W. Flaherty, contractor for lessees, by order of the Board. Begun May 29 and finished June 5, 1893.

Secretary's Order No. 13472.—Repairs to pier by the Lehigh Valley Railroad Company, by order of the Board. Begun January 15, 1894 ; in progress.

*Bulkhead between Horatio and Gansevoort Streets, N. R.*

Secretary's Order No. 13825.—The work is being done by Charles W. Hose, and consists in transferring ice-bridge, engine-house and scales from above point to bulkhead between Bethune and Bank streets. Begun April 27, 1894 ; in progress.

*Little West Twelfth Street Pier.*

Secretary's Order Nos. 13536, 13670 and 13685.—This work, commenced by the owners March 15, 1894, consists in cleaning and repairing Little West Twelfth Street Pier. Begun March 15, 1894, and is now suspended.

*Pier at Thirteenth Street, N. R.*

Secretary's Order No. 12789.—A pile-driver and boiler were placed thereon for the purpose of driving piles in ferry rack south thereof, by Sandford & Stillman, contractors, for the Pennsylvania Railroad Company, under permit of the Board. Begun April 22 and finished May 2, 1893.

Secretary's Order No. 13148.—The Fort Lee Park and Steamboat Company moved the wooden shed on Piers foot of West Thirteenth street, North river, from its former position, about 40 feet inshore on the piers, which is entirely within the pierhead-line of 1890. Begun October 13 and finished October 19, 1893.

*West Thirteenth Street Ferry.*

Secretary's Order No. 13149.—A portion of the north ferry-rack, which had extended beyond the pierhead-line of 1890, was removed by the Pennsylvania Railroad Company. Begun October 25 and finished November 5, 1893.

Secretary's Order No. 13214.—The Pennsylvania Railroad Company rebuilt the north ferry-rack. The work consisted in the building of a 3-pile row ferry-rack, about on the lines of the former north rack of this ferry, except that it is entirely inshore of the pierhead-line of 1890 ; also the driving of two clumps of piles between the above rack and the south side of West Thirteenth Street Pier, in order to keep the rack away from the pier. Begun September 24 and finished October 9, 1893.

Secretary's Order No. 13747.—Six white oak wearing piles in the pile clump at the outer end of the rack were driven and fastened by the Pennsylvania Railroad Company. Begun and finished April 1, 1894.

*Bulkhead between Thirteenth and Fourteenth Streets, N. R.*

Secretary's Order No. 12818.—The old bulkhead was removed to about low water mark and rebuilt by R. P. & J. H. Staats, contractors, for lessees, by order of the Board. Begun May 25, and finished July 13, 1893.

Secretary's Order No. 13361.—Platforms and ferry-racks erected by the Hoboken Ferry Company all substantially in accordance with the corrected plan. The platform and racks cover an area of 14,160 square feet of land under water. Begun November 28, 1893, and finished March 22, 1894.

## Work Supervised.

*South of West Fourteenth Street Ferry.*

Secretary's Order No. 13131.—The pavement in front of the bulkhead was raised to grade by the owners. Begun August 25 and finished August 28, 1893.

*Ferry-racks at Fourteenth Street, N. R.*

Secretary's Order No. 12988.—Several piles were straightened therein and the sheathing on racks renewed, where necessary, by employees of the Hoboken Ferry Company, under permit of the Board. Begun September 6 and finished September 7, 1893.

*Cleaning Under Ice-bridges, North River Sections, North and South of West Fourteen'h Street.*

Secretary's Order No. 12743.—The spaces under ice-bridges, north and south of West Fourteenth street, North river, were cleaned by the owners, from time to time, when necessary. Begun April 10, 1893 ; in progress.

*Bulkhead between Fourteenth and Fifteenth Streets, N. R.*

Secretary's Order No. 12870 —The changing of gangways to ice-bridge thereon was done by employees of the Glasgow Ice Company, by order of the Board. Begun and finished May 27, 1893.

Secretary's Order No. 13538.—The bulkhead between Fourteenth Street Ferry and the ice-platform was cleared of old timber, dirt, etc. A 3 by 12 inch yellow pine plank was placed on the backing-log so as to give 12 inches of timber above the pavement ; the pavement was also repaired. Begun February 7 and finished March 14, 1894.

*Pier foot of West Fifteenth Street, N. R.*

Secretary's Order No. 13179.—This work, done by the Watervliet and Glasco Ice Companies, consisted in removing such portion of their offices as projected inside the north and south lines of Pier foot of West Fifteenth street, North river. Begun September 18 and finished October 1, 1893.

Secretary's Order No. 13458.—The sides of the pier were sheathed by the Central Railroad Company of New Jersey ; 9 mooring posts, placed on the pier under Contract No. 454, were removed and replaced by 10 cast-iron cleats. The mooring posts were taken from the Fifteenth Street Pier by the Department, and are now stored in the West Fifty-seventh Street Yard. Begun February 10 and finished April 23, 1894.

Secretary's Order No. 13465.—A shed was erected on the pier by the Central Railroad Company of New Jersey. Begun February 10, 1894 ; in progress.

Secretary's Order No. 13564.—The sides of above pier were sheathed from end to end with 6 by 10 inch white oak by the Central Railroad Company of New Jersey. Begun April 13 and finished April 23, 1894.

Secretary's Order No. 13614.—This work, done under this order by the Central Railroad Company of New Jersey, consisted in placing horizontal sheathing of 6 by 10 inch white oak timber on both sides of the pier, extending from the bulkhead to the centre of the inshore double row of piles. The sheathing was placed in ten streaks, with 2½ inch spaces between, the top of the upper course being flush with the top of the backing-log of the pier. Between the crib-bulkhead and the inner single row of piles the five lower streaks were omitted in order to have an unobstructed waterway. Begun April 13 and finished April 23, 1894.

*Pier at Sixteenth Street, N. R.*

Secretary's Order No. 13240.—The southerly side of pier was sheathed with new 3-inch spruce, fender piles were refastened, and the backing-log was repaired, where necessary, by employees of lessees, by order of the Board. Begun November 15 and finished December 7, 1893.

Secretary's Order No. 13230.—In relation to this order to direct and superintend the removal of temporary stable erected by Bernard Campbell, under the dump thereon, by order of the Board, the said Campbell, lessee of pier, has for the present ceased using the premises referred to as a stable during the night time, and the Board of Docks, on January 11, 1894, ordered the suspension of this order.

*Bulkhead South of Seventeenth Street, N. R.*

Secretary's Order No. 13161.—The backing-log thereon was repaired by employees of owners, by order of the Board. Begun and finished September 18, 1893.

*Pier at Seventeenth Street, N. R.*

Secretary's Order No. 13278.—A temporary house, about 12 feet long, was erected thereon by employees of Michael Graney, under permit of the Board. Begun November 4 and finished November 9, 1893.

Secretary's Order No. 13684.—Repairs to pier were made by the Baltimore and Ohio Railroad Company, and consisted in fastening one of the fender piles on the outer end of the pier, and in replacing and fastening 6 pieces of the vertical sheathing on the north and south sides of the pier, at the outer end. Begun April 10 and finished April 20, 1894.

*Bulkhead foot of Nineteenth Street, N. R.*

Secretary's Order No. 13566.—A 6-inch cast-iron water-pipe was laid by the Central Gas Company across Thirteenth avenue, on a line about parallel with the line of Nineteenth street, through the old wooden bulkhead, the pipe cutting through the bulkhead at a point about 8 feet north of the north line of West Nineteenth Street Pier. Begun February 5 and finished February 6, 1894.

*Bulkhead between Twentieth and Twenty-first Streets, N. R.*

Secretary's Order No. 12453.—An ice platform thereon was removed and subsequently replaced, after the paving of the adjacent avenue was completed, by John Gillies, contractor, for the Knickerbocker Ice Company, under permit of the Board. Begun December 27, 1892, and finished May 3, 1893.

*Bulkhead between Twenty-first and Twenty-second Streets, N. R.*

Secretary's Order No. 12822.—The two top courses of square timber thereon were renewed and about 47 fenders in front of same were also renewed by James D. Leary & Son, contractors, for E. H. Ogden, under permit of the Board. Begun May 4 and finished May 6, 1893.

Secretary's Order No. 13713.—The erection of an engine-house on bulkhead is being done by the Yonkers Ice Company. Begun April 27, 1894; in progress.

*Pier at Twenty-second Street, N. R.*

Secretary's Order No. 12561.—Two white oak spring piles were driven and fastened on north side of pier by employees of the New York, Lake Erie and Western Railroad Company, under permit of the Board. Begun June 1 and finished June 3, 1893.

Secretary's Order No. 12811.—The pavement in front of the pier was taken up and relaid to make connection between the new pavement laid by the Department of Public Works, on Thirteenth avenue, and the deck of the pier, by C. T. Van Santvoord. Begun June 24 and finished June 27, 1893.

Secretary's Order No. 12919.—Paving was laid and raised to grade in front of above premises, by Charles T. Van Santvoord, under permit of the Board. Begun June 6, 1893, and finished June 12, 1893.

Secretary's Order No. 13334.—Three new white oak spring piles were renewed by employees of the New York, Lake Erie and Western Railroad Company, under permit of the Board. Begun November 27 and finished November 29, 1893.

## Work Supervised.

Secretary's Order No. 13511.—The surface of pier was repaired, where necessary, by employees of lessees, by order of the Board. Begun and finished January 12, 1894.

Secretary's Order No. 13571.—A piece of 12 by 12 inch yellow pine, 40 feet long, was placed on the north side of the gangway at the outer end of the pier to act as a spring pile, and the two horizontal braces on the spring piles, at the outer end of the piers were replaced with 4 by 12 inch yellow pine, 16 feet long; also 3 spring piles were fastened on the south side of the pier about 175 feet from the outer end to the backing-log with chocks 10 by 12 inch yellow pine, 4 feet long. Work was done by C. T. Van Santvoord. Begun February 20 and finished February 23, 1894.

Secretary's Order No. 13643.—Four sticks of 12 by 14 inch yellow pine, each 51 feet long, were driven on the south side of the pier as spring piles and fastening to the backing-log with chocks and chains, by the New York, Lake Erie and Western Railroad Company. Begun April 2 and finished April 5, 1894.

*Bulkhead between Twenty-second and Twenty-third Streets, N. R.*

Secretary's Order No. 13062.—The 6 top courses were renewed thereon for a distance of about 40 feet from the northerly side of Twenty-second street, North river, by employees of the New York, Lake Erie and Western Railroad Company, under permit of the Board. Begun August 14 and finished August 31, 1893.

Secretary's Order No. 13275.—A wooden drain-box, 13 feet long by 8 by 10 inches square of yellow pine to carry off the surface water, was extended through the bulkhead. Begun and finished November 2, 1893.

*Ferry-platform at West Twenty-third Street, N. R.*

Secretary's Order No. 12798.—The deck and rangers in the platform, extending 10 feet north of the northerly line of the Erie Railroad Company's ferry-rack at West Twenty-third street and between the line of the old bulkhead and the new bulkhead were taken up; 18 additional piles were driven and deck repaired by the New York, Lake Erie and Western Railroad Company. Begun May 5 and finished July 1, 1893.

*Ferry-racks at West Twenty-third Street, N. R.*

Secretary's Order No. 13443.—Repairs to racks of the south ferry-slip were made by the New York, Lake Erie and Western Railroad Company, and consisted in placing and fastening 4 by 10 inch oak sheathing outside of the old horizontal sheathing, for a distance of about 200 feet westerly of the inner end of the south rack and 100 feet westerly of the inner end of the north rack of the south slip; also in replacing the upper ribbon pieces, on the back of each of the above racks, with 4 by 8 inch yellow pine timber. Begun December 21, 1893, and finished January 31, 1894.

Secretary's Order No. 13568.—Repairs to north ferry-rack of ferry-slip were made by the New York, Lake Erie and Western Railroad Company, and consisted in driving 11 piles in the ferry-rack and fastening same in place. The work was suspended in consequence of the necessity of entirely removing the rack, in order to build Pier, new 53, North river. Begun February 5 and finished February 21, 1894.

*West Twenty-third Street, N. R.*

Secretary's Order No. 13362.—Repairs to gas-pipe were made by the Consolidated Gas Company. Begun November 24 and finished November 27, 1893.

*Bulkhead between Twenty-third and Twenty-fourth Streets, N. R.*

Secretary's Order No. 13098.—Earth filling is being placed by Contractor Thomas E. Crimmins. 4,228 truck-loads and 1,624 cart-loads received up to date. Begun January 25, 1894; in progress.



*Between West Twenty-third and Fifty-seventh Streets.*

Secretary's Order No. 13450.—The work of repairing and relaying gas-pipes done, by the Consolidated Gas Company, consisted in removing 3-inch gas-pipe laid parallel to the bulkhead between Piers, new 58 and 59, from the location 6 feet easterly of the bulkhead-wall to 12 feet easterly of the bulkhead-wall and parallel thereto ; also in removing the gas-pipe laid parallel to the bulkhead-wall between Piers, new 57 and 58, from its location 6 feet easterly to a new location 12 feet easterly of the bulkhead-wall and parallel thereto. Begun December 27, 1893, and finished March 12, 1894.

*Pier, new 54, N. R.*

Secretary's Order No. 12878.—The shed thereon was repaired and painted, where necessary, by employees of lessees, by order of the Board. Begun June 10 and finished June 14, 1893.

Secretary's Order No. 13217.—An old 1½-inch gas service-pipe was removed and replaced with a new 3-inch pipe by the Consolidated Gas Company. The pipe was laid south of the paved approach leading to the above pier, and therefore it was not necessary to take up and relay any pavement. Begun October 4 and finished October 7, 1893.

Secretary's Order No. 13611.—A mooring-post on south side of pier was fastened and the backing-log renewed, where necessary. The shed, sills, fenders and chocks on both sides of pier were also renewed, where necessary, by employees of lessees, by order of the Board. Begun March 5 and finished March 17, 1894.

*Slip between Piers, new 54 and 55, N. R.*

Secretary's Order No. 12910.—A sunken canal-boat thereat was raised by the Baxter Wrecking Company, contractors, for the Lehigh Coal Navigation Company, by order of the Board. Begun June 2 and finished June 3, 1893.

*Bulkhead between Twenty-fifth and Twenty-sixth Streets, N. R.*

Secretary's Order No. 13674.—Lumber, etc., on the block between the above streets, was removed by Iclabod T. Williams, and iron was also removed by J. B. & J. M. Cornell. Begun March 21 and finished March 29, 1894.

*Pier, new 55, N. R.*

Secretary's Order No. 13640.—The backing-log was repaired and the chocks around mooring-posts and outer end of pier were renewed, where necessary, by employees of the Atlas Steamship Company, under permit of the Board. Begun March 8 and finished March 17, 1894.

*Pier, new 56, N. R.*

Secretary's Order No. 12704.—An armature plate was refastened on the outer northerly corner thereof by employees of lessees, by order of the Board. Begun and finished May 20, 1893.

Secretary's Order No. 12864.—Several square fenders and chocks between fenders were renewed on the side thereof by employees of lessees, by order of the Board. Begun May 3 and finished June 5, 1893.

*Pier, new 57, N. R.*

Secretary's Order No. 13490.—Repairing the oak fender pile at this pier was done by the lessees, and consisted in refastening the oak fender pile on the north side of the first bent, counting from the bulkhead. Begun and finished January 24, 1894.

*Between Twenty-seventh Street and Thirteenth Avenue.*

Secretary's Order No. 13339.—The work of relaying a cast-iron pipe was done by the Consolidated Gas Company, and consisted in digging a trench about 4 feet deep to regrade a 5-inch cast-iron pipe. After the trench was dug the pipe was regraded and the trench refilled. Begun November 11 and finished November 13, 1893.



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*Between West Twenty-seventh and Twenty eighth Streets.*

Secretary's Order No. 13034.—A trench was dug to examine the 1½-inch gas service-pipe between Piers, new 57 and 58, North river, and a 3-inch service pipe was laid in place of same from a point about 23 feet north of the southerly line of Pier, new 57, North river, for a distance of about 225 feet, in an easterly direction, by the Consolidated Gas Company. Begun July 17 and finished July 28, 1893.

*Pier, new 58, N. R.*

Secretary's Order No. 12205.—An iron shed was erected on Pier, new 58, North river, by John H. Starin. Begun September 4, 1892, and finished May 15, 1893.

Secretary's Order No. 12763.—An excavation was made in order to lay a 4-inch water-pipe from the southerly inshore corner of Pier, new 58, North river, to the water-main situated about 75 feet easterly of the bulkhead. After the pipe was laid the trench was refilled. Work was done by George B. Brown. Begun April 17 and finished June 24, 1893.

Secretary's Order No. 12902.—The sides of pier were sheathed by employees of John H. Starin, lessee, under permit of the Board. Begun June 2 and finished June 12, 1893.

Secretary's Order No. 12984.—Earth filling was removed in rear of bulkhead-wall to connect the service-pipe leading to pier with the main, by the Consolidated Gas Company. Begun June 29 and finished July 8, 1893.

*Pier, new 59, N. R.*

Secretary's Order No. 13167.—An iron shed was erected on Pier, new 59, North river, by lessee, Jefferson Hogan. Begun January 24 and finished May 15, 1893.

Secretary's Order No. 12661.—An excavation was made near the inshore corner of Pier, new 59, North river, to connect the gas service-pipe on pier with main, by the Consolidated Gas Company. After connection was made excavation was refilled. Begun March 29 and finished June 24, 1893.

Secretary's Order No. 12685.—A trench was dug from the south inshore end of Pier, new 59, North river, about 75 feet easterly, and a 4-inch pipe was laid from the main to the service-pipe on pier by Matthew P. Thompson. Begun March 29 and finished June 29, 1893.

Secretary's Order No. 12934.—The fender piles at outer corners thereof were refastened by employees of lessees, by order of the Board. Begun and finished June 12, 1893.

Secretary's Order No. 13491.—The southerly bearing pile of the first inshore row of piles on pier was refastened by lessee. Begun January 20 and finished January 22, 1894.

*Bulkhead between West Twenty-ninth and Thirtieth Streets, N. R.*

Secretary's Order No. 12466.—Six coal pockets have been erected on the bulkhead between West Twenty-ninth and Thirtieth streets, by Charles L. Whitman. These pockets are loaded by means of a floating elevator moved to the bulkhead, and adjacent to Pier, new 60, North river. Begun July 25 and finished November 28, 1893.

Secretary's Order No. 13631.—Two scales for coal were erected by the New York Coaling and Elevating Company, each about 8 by 14 feet, upon a brick foundation 2 feet deep. The northerly sides of these scales are 13 feet south of the southerly side of West Thirtieth street produced and the westerly side about 6 feet east of the bulkhead-line. A small office, 6 by 17 feet, for the use of the weighers, was also erected on the westerly side of the scales. Begun March 12 and finished March 29, 1894.

*West Thirtieth Street.*

Secretary's Orders Nos. 12534 and 12693.—7,285 loads of material from the Street Cleaning Department were temporarily dumped on new-made land near West Thirtieth street, and same was subsequently removed by said Department. Begun January 17 and finished May 6, 1893.

Secretary's Order No. 12663.—A 4-ft. diameter brick sewer was constructed by the Department of Public Works for a distance of 150 feet, and connected with barrel sewer under West Thirtieth Street Pier. Begun March 29 and finished July 31, 1894.

Secretary's Order No. 13530.—Dirt, excavated from sewer at Thirtieth street and Thirteenth avenue, is being placed on the bulkhead foot of West Thirtieth street, North river, by the contractors, Stewart & McDermott, under permit of the Board. Begun January 26, 1894; in progress.

*Pier, new 61, N. R.*

Secretary's Order No. 12705.—The refastening and rechocking of fender piles at outer end of pier and repairing the horizontal sheathing on sides of pier, where necessary, were done by employees of lessees, by order of the Board. Begun June 16 and finished June 20, 1893.

Secretary's Order No. 13655.—Four white oak fender piles on the southwesterly corner of pier were refastened and rechocked by employees of the New York Central and Hudson River Railroad Company, by order of the Board. Begun April 6 and finished April 10, 1894.

*Pier, new 62, N. R.*

Secretary's Order No. 12706.—The fender piles at outer end of pier were refastened and the horizontal sheathing on sides of pier repaired, where necessary, by employees of lessees, by order of the Board. Begun June 19 and finished June 20, 1893.

Secretary's Order No. 13207.—Two fender piles were refastened at outer end of pier by employees of the New York Central and Hudson River Railroad Company, lessees, by order of the Board. Begun October 19 and finished October 21, 1893.

Secretary's Order No. 13656.—The fender piles at outer end of pier were refastened and the horizontal sheathing on sides of pier repaired, where necessary, by employees of the New York Central and Hudson River Railroad Company, by order of the Board. Begun April 17 and finished April 24, 1894.

*Foot of West Thirty-third Street, N. R.*

Secretary's Order No. 13153.—An 8-inch cast-iron pipe was laid through the new-made land and bulkhead at the foot of West Thirty-third street by Hiscock & Underhill, connecting with Howard & Child's brewery, to supply same with salt-water. Begun August 31 and finished October 31, 1893.

*Bulkhead at West Thirty-third Street, N. R.*

Secretary's Order No. 13277.—Repairs to bulkhead-platform, made by the New York Central and Hudson River Railroad Company, have been supervised, and consisted in lowering the grade of the heel or rolling-log of the above bridge 1 foot (about) by cutting off about 1 foot from the foundation piles under the rolling-log. This drop of 1 foot was taken out in about 46 feet of the pile platform, inshore of the bridge, by cutting off the piles under the platform on a rising grade running inshore, the piles being cut so as to run the drop out in about 46 feet as above. After the piles had been cut to the new grade the caps and stringers were fastened and the rails previously taken up replaced. Begun October 20 and finished November 22, 1893.

*Pier, new 63, N. R.*

Secretary's Order No. 12707.—The fender piles at outer corners of pier were refastened and redriven, and necessary repairs were made to the horizontal sheathing on sides of pier by employees of the New York Central and Hudson River Railroad Company, by order of the Board. Begun June 15 and finished June 17, 1893.

Secretary's Order No. 13306.—The chocks between fenders were renewed, where necessary, and the fender-piles at outer end of pier were refastened by employees of the New York Central and Hudson River Railroad Company, by order of the Board. Begun November 13 and finished November 17, 1893.

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Secretary's Order No. 13657.—Fender piles at outer end of pier were refastened, and the horizontal sheathing on sides of pier repaired, where necessary, by employees of the New York Central and Hudson River Railroad Company, by order of the Board. Begun April 17, and finished April 24, 1893.

#### *Thirty-fourth Street, N. R.*

Secretary's Order No. 12960.—A swimming-bath was placed thereat by employees of M. C. Dexter, under permit of the Board. Begun and finished June 20, 1893.

#### *Pier at Thirty-fourth Street, N. R.*

Secretary's Order No. 13059.—In relation to this order to direct and superintend the erection of a frame to support canvas awning on pier, St. John's Guild, to whom permit was granted, will not at present avail themselves of the privilege of said permit.

#### *Pier at Thirty-fifth Street, N. R.*

Secretary's Order No. 11965.—A coal pocket for the purpose of supplying tugs was erected thereat by the Coal Hoisting Machinery Company, contractors, for Michael Mitchell, under permit of the Board. Begun December 1, 1892, and finished May 13, 1893.

Secretary's Order No. 12290.—A water-pipe was run under pier by Greenlie, Wyatt & Co., contractors, for Michael Mitchell, under permit of the Board. Begun March 21 and finished May 10, 1893.

Secretary's Order No. 12330.—An office and boiler-shed were erected thereon by the Coal Hoisting Machinery Company, contractors, for Michael Mitchell, under permit of the Board. Begun March 27 and finished May 10, 1893.

Secretary's Order No. 12944.—A sign was painted on the westerly end of coal-pocket thereon by employees of Michael Mitchell, under permit of the Board. The sign read as follows: "Pocahontas Coal Pockets. Tugs and Yachts Coaled Day and Night." Begun July 16 and finished July 18, 1893.

#### *Pier at Thirty-sixth Street, N. R.*

Secretary's Order No. 12915.—The refastening of fender piles at outer end of pier and repairing of horizontal sheathing on sides thereof was done by employees of the West Shore Railroad Company, by order of the Board. Begun June 6 and finished June 10, 1893.

#### *Pier, new 67, N. R.*

Secretary's Order No. 12003.—An iron shed was erected on Pier, new 67, North river, by the Pennsylvania Railroad Company. Begun January 3 and finished May 15, 1893.

Secretary's Order No. 12470.—Eight streaks of 7-inch and 10-inch white oak (about 12,000 feet, B. M.), were placed on north side of Pier, new 67, North river, beginning at the second double row at the outer end of the pier and extending inshore for a distance of 254 feet, by the Pennsylvania Railroad Company. Begun March 22 and finished May 15, 1893.

Secretary's Order No. 12847.—A 4-inch deck plank was removed from pier, rangers blocked up, and new 4-inch deck-plank and 4-inch sheathing was laid by the Pennsylvania Railroad Company. Begun March 22 and finished May 16, 1893.

Secretary's Order No. 12854.—The interior of shed thereon was altered so as to place a room for storing fire chemical apparatus, and a small boiler for heating purposes was also placed thereat by employees of the Pennsylvania Railroad Company, under permit of the Board. Begun May 12 and finished June 21, 1893.

#### *Between Thirty-seventh and Thirty-eighth Streets, N. R.*

Secretary's Order No. 9692.—The work of earth filling done by the Pennsylvania Railroad Company consisted in placing filling on an area bounded on the north by a cribwork built along

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about the southerly line of West Thirty-eighth street produced ; on the east an old crib-bulkhead, running about parallel with the new bulkhead-line, and distant therefrom about 250 feet, and on the west by the new bulkhead-wall built on the plans of the Department by the Pennsylvania Railroad Company during the year 1889. The filling was brought up to the grade at the top of the coping on the bulkhead-wall above. Begun September 3, 1890, and finished October, 1893.

*West Thirty-eighth Street, N. R.*

Secretary's Order No. 13675.—Railroad tracks are being laid across Thirty-eighth street by Pennsylvania Railroad Company, under permit of the Board. Begun April 24, 1894 ; in progress.

• Secretary's Order No. 13784.—Two tracks were laid by the Pennsylvania Railroad Company, and piles driven to support same, at foot of West Thirty-eighth street. Begun April 24, 1894 ; in progress.

*Pier at Thirty-eighth Street, N. R.*

Secretary's Order No. 12903.—The sheathing on deck of pier was repaired by employees of the Pennsylvania Railroad Company, under permit of the Board. Begun July 1 and finished July 13, 1893.

Secretary's Order No. 13582.—Repairs to the pier were made by the Pennsylvania Railroad Company, consisting in replacing two vertical fender chocks in the outer bent of piles, and two in the next inshore bent, on the south side of Pier at Thirty-eighth street, North river. Begun and finished February 26, 1894.

*Bulkhead between Thirty-eighth and Thirty-ninth Streets, N. R.*

Secretary's Order No. 12938.—Nine white oak fender piles were driven and fastened thereat by employees of G. F. & E. C. Swift, under permit of the Board. Begun June 12 and finished June 16, 1893.

*Bulkhead Platform between Thirty ninth and Fortieth Streets, N. R.*

Secretary's Order No. 13533.—About 40 bearing piles were driven and capped thereat, and the deck, backing-log and mooring-posts renewed, where necessary, by B. S. Cronin, contractor, for John R. McPherson, lessee, under permit of the Board. Begun February 21 and finished March 10, 1894.

*Pier at Fortieth Street, N. R.*

Secretary's Order No. 13307.—The backing-log was renewed, where necessary, on both sides of pier and about 60 white oak fenders on sides of pier and chocks between fenders were renewed by B. S. Cronin, contractor, for lessees, by order of the Board. Begun December 27, 1893, and finished January 8, 1894.

*Pier at Forty-third Street, N. R.*

Secretary's Order No. 12452.—The repairing of sheathing on deck of pier and the refastening of several tender piles were done by employees of the Knickerbocker Ice Company, by order of the Board. Begun May 6 and finished May 10, 1893.

*Pier at Forty-fourth Street, N. R.*

Secretary's Order No. 13073.—A swimming-bath was located at north side thereof by employees of M. C. Dexter, under permit of the Board. This bath was formerly located at Pier foot of Forty-eighth street, North river, previous to the leasing of said Forty-eighth Street Pier. Begun August 4 and finished August 11, 1893.

Secretary's Order No. 13093.—About 469 feet of 2-inch water pipe on the south side of the pier to connect with the water-main already laid on the southerly curb line of Forty-fourth street, was laid by the Al. Foster Steamboat Company. Begun August 12 and finished August 17, 1893.

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*Pier at Forty-sixth Street, N. R.*

Secretary's Order No. 13271.—The horizontal chocking on the outer end of the southerly side of pier, was repaired by employees of lessees, by order of the Board. Begun November 2 and finished November 10, 1893.

Secretary's Order No. 13388.—The sheathing on deck of pier was renewed, where necessary ; chocks were also renewed, the backing-log repaired and the caps and rangers were blocked up where necessary, by J. Kelly, contractor, for lessees, by order of the Board. Begun December 30, 1893, and finished February 20, 1894.

*Approach to Bulkhead South of Forty-eighth Street, N. R.*

Secretary's Order No. 12917.—A fence was erected along the southerly side thereof by Adam Dipe, contractor, for H. E. Stevens & Sons, under permit of the Board. Begun June 6 and finished June 14, 1893.

*Pier at Forty-eighth Street, N. R.*

Secretary's Order No. 12962.—A bath was placed at the south side thereof by employees of M. C. Dexter, under permit of the Board. Begun June 21 and finished June 23, 1893.

*Pier at Forty-ninth Street, N. R.*

Secretary's Order No. 13444.—Three fender piles were driven and fastened on the north side of pier by employees of the New York, Lake Erie and Western Railroad Company, under permit of the Board. Begun and finished December 22, 1893.

Secretary's Order No. 13583.—Three vertical chocks, 10 by 12 inches, on the south side near the outer end of the pier, were replaced by the lessees. Begun and finished March 8, 1894.

*Pier at Fiftieth Street, N. R.*

Secretary's Order No. 12957.—Braces were placed on the backing-log on south side of pier by the crew of the United States Steamship "Minnesota," under permit of the Board. Begun and finished June 17, 1893.

*Pier at Fifty-first Street, N. R.*

Secretary's Order No. 13391.—Cleaning of and repairs to by employees of lessees, by order of the Board. Begun January 6, 1894 ; in progress.

*Twelfth Avenue, between Fifty-first and Fifty-second Streets, N. R.*

Secretary's Order No. 12038.—In relation to this order to remove the office of Canda & Kane from above premises. A part of said office was removed, and the order has been superseded by Secretary's Order No. 13474, dated January 5, 1894.

*Pier at Fifty-second Street, N. R.*

Secretary's Order No. 13420.—A coal-bin about 60 feet long, 6 feet high and 15 feet wide was built on the north side of pier by employees of Nathan Straus, under permit of the Board. Begun December 15 and finished December 21, 1893.

*Fifty-fifth Street, N. R.*

Secretary's Order No. 12693.—The street cleaning material was removed therefrom by employees of the Street Cleaning Department, by order of the Board. Begun June 9 and finished June 20, 1893.

Secretary's Order No. 13824. A cable-house was placed on the pier by the Western Union Telegraph Company. Begun April 30, 1894 ; in progress.

*Twelfth Avenue, between Fifty-fifth and Fifty-sixth Streets, N. R.*

Secretary's Order No. 12890.—The removal of about 300 loads, the balance of street cleaning material lately deposited thereat, was done by employees of the Department of Street Cleaning, by order of the Board. Begun June 9 and finished June 20, 1893.

Secretary's Order No. 12693.—About 300 loads of street cleaning material are still remaining thereat, which the Street Cleaning Department has been notified to remove, under Secretary's Order No. 12890, dated May 27, 1893.

*Pier "G," N. R.*

Secretary's Order No. 12874.—Fender piles were fastened at outer end and sides of pier by G. W. Rogers, contractor, for the New York Central and Hudson River Railroad Company, by order of the Board. Begun May 20 and finished May 29, 1893.

*Timber Basin between Seventy-fourth and Seventy-fifth Streets, N. R.*

Secretary's Order No. 13199.—The removal of a shanty recently placed on a platform over the timber basin by a switchman of the New York and Hudson River Railroad Company, was done by employees of said company, by order of the Board. Begun and finished September 22, 1893.

*Seventy-ninth Street, N. R.*

Secretary's Order No. 12693.—The street cleaning material was removed therefrom by employees of the Department of Street Cleaning, by order of the Board. Begun June 9 and finished June 20, 1893.

*Bulkhead between Ninety-fifth and Ninety-sixth Streets, N. R.*

Secretary's Order No. 12896.—A coal-pocket was erected at rear thereof by employees of Gibson & Stewart, under permit of the Board. Begun May 27 and finished June 12, 1893.

*Bulkhead at Ninety-sixth Street, N. R.*

Secretary's Order No. 13274.—A steam hoisting-engine was placed thereon for unloading coal by employees of Trapp & Bussing, and others, under permit of the Board. Begun October 25 and finished November 8, 1893.

*West Ninety-sixth to Ninety-seventh Street, N. R.*

Secretary's Order No. 6308.—The building a fence was begun under this order on March 14, 1887, by employees of John Cox & Co., but was never properly completed in accordance with the lines called for in this order. At a meeting of the Board of Docks held July 6, 1893, permit was granted J. D. & Thomas E. Crimmins to erect a fence around their property at Twelfth avenue, between Ninety-sixth and Ninety-seventh streets, North river, and as described in this order, under Secretary's Order No. 13005, dated July 6, 1893. The premises herein described were fenced off by the Messrs. Crimmins.

Secretary's Order No. 13005.—A fence was erected around above premises by John D. & Thomas E. Crimmins, under permit of the Board. Begun and finished January 4, 1894.

*Bulkhead South of Ninety-seventh Street, N. R.*

Secretary's Order No. 13421.—A dumping-board was erected thereon by employees of J. D. and Thomas E. Crimmins, under permit of the Board. Begun December 18, 1893, and finished January 13, 1894.

*Bulkhead at Ninety-seventh Street, N. R.*

Secretary's Order No. 12804.—The dumping of about 1,500 yards of cellar dirt behind same was done by employees of Thomas J. Dunn, by permit of the Board. Begun May 1 and finished June 1, 1893.

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*Bulkhead between Ninety-seventh and Ninety-eighth Streets, N. R.*

Secretary's Order No. 11049.—Placing a fence thereat by the Knickerbocker Ice Company under permit of the Board. Begun June 25, 1891; in progress.

Secretary's Order No. 12533.—The dumping of material collected by the Street Cleaning Department in rear thereof, was done by employees of said Department, under permit of the Board. Begun January 16 and finished May 31, 1893.

Secretary's Order No. 12921.—Placing of sufficient top dressing thereat by Thomas Smith under permit of the Board. Begun June 6, 1893; in progress.

*One Hundred and Twenty-ninth Street, N. R.*

Secretary's Order No. 13395.—Filling-in thereat by the Street Cleaning Department, under permit of the Board. Begun December 8, 1893; in progress.

*Bulkhead at Manhattan Street, N. R.*

Secretary's Order No. 13357.—The extension of a 12-inch pipe across and entering the bulkhead was done by employees of the New York Central and Hudson River Railroad Company, under permit of the Board. Begun November 20 and finished November 29, 1893.

*Foot of Manhattan Street, N. R.*

Secretary's Order No. 13103.—The removal of a ferry-bridge, and also repairs to the ferry racks of the Fort Lee Ferry Company thereat, were done by employees of said ferry company, under permit of the Board. Begun September 20 and finished December 1, 1893.

*Bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second Streets, N. R.*

Secretary's Order No. 13794.—Necessary repairs were made to the sewer thereat by employees of John Hogan, contractor, for the Farmers' Feed Company, under permit of the Board. Begun April 18 and finished April 21, 1894.

*One Hundred and Thirty-ninth Street, N. R.*

Secretary's Order No. 12965.—A float was placed at above premises and a crib erected thereat by Peter Conway, under permit of the Board. Begun July 25, and finished October 1, 1893.

*One Hundred and Fifty-third Street, N. R.*

Secretary's Order No. 12867.—A float was placed thereat by employees of the Audubon Yacht Club, under permit of the Board. Begun and finished May 23, 1893.

*One Hundred and Fifty-eighth Street, N. R.*

Secretary's Order No. 12497.—Building a crib under the boat-house thereat, under permit of F. T. Volk. This permit has been revoked by the Board of Docks.

*Pier at One Hundred and Fifty-eighth Street, N. R.*

Secretary's Order No. 13266.—The canal-boat recently sunk thereat was removed by the Baxter Wrecking Company, contractors, for owners, by order of the Board. Begun October 1 and finished October 26, 1893.

*One Hundred and Sixty-eighth to One Hundred and Sixty-ninth Streets, N. R.*

Secretary's Order No. 12990.—A boat-house was placed at above premises by John Wagner, under permit of the Board. Begun and finished June 13, 1893.

*Riverdale, N. R.*

Secretary's Order No. 12844.—A small dock was erected at above premises by Percy R. Pym and others, under permit of the Board. Begun June 10, 1893, and finished June 21, 1893.



## EAST RIVER.

*South Ferry, E. R.*

Secretary's Order No. 13080.—The ferry-racks and entrance thereto were repaired, where necessary, by John Monks & Son, contractors, for the Union Ferry Company, under permit of the Board. Begun November 8, 1893 ; in progress. This order has been superseded by Secretary's Order No. 73406, dated December 8, 1893.

*Ferry Premises of the Union Ferry Company, E. R.*

Secretary's Order No. 13406.—Repairs to, by John Monks & Son, contractors for above company. Begun December 8, 1893 ; in progress.

*Pier 3, E. R.*

Secretary's Order No. 12770.—Some small repairs were made to surface of pier by employees of owners, by order of the Board.

Secretary's Order No. 12972.—The pavement at entrance thereto was repaired by employees of owners, by order of the Board. Begun June 24 and finished July 5, 1893.

Secretary's Order No. 13120.—Ten fender and bearing-piles were replaced on the easterly side of pier by Fearon & Jenks, contractors, for James Cruikshank, under permit of the Board. Begun August 21 and finished August 26, 1893.

Secretary's Order No. 13739.—Repairs to, by owners, by order of the Board. Begun April 9, 1894 ; in progress.

*Pier 4, E. R.*

Secretary's Order No. 12995.—The sheathing on deck of pier was renewed, where necessary, with new 3 and 4 inch spruce, by Fearon & Jenks, contractors, for owners of westerly half, and by employees of the New York Central and Hudson River Railroad Company, lessees of easterly half, by order of the Board. Begun August 7 and finished August 23, 1893.

Secretary's Order No. 13478.—A temporary derrick for discharging coal was erected on this pier, by employees of the P. Divver Association, under permit of the Board. Begun and finished January 12, 1894.

Secretary's Order No. 13738.—One spring pile was renewed and 1 fender pile refastened on the southeasterly corner of pier, and 1 fender pile on the easterly side of same was also refastened, by Fearon & Jenks, contractors, for lessees, by order of the Board. Begun April 20 and finished April 23, 1894.

*Pier 5, E. R.*

Secretary's Order No. 12950.—Five side-bearing piles were driven and fastened, and 6 fenders renewed, on easterly side of the pier, by T. & A. Walsh, contractors, for Charles DuBois Dredging Company, whose dredging machine caused the damage, by order of the Board. Begun June 22 and finished June 23, 1893.

*Pier, old 6, E. R.*

Secretary's Order No. 12971.—The deck of pier was patched, where necessary, with new 3-inch spruce ; the backing-log was also renewed, where necessary, by employees of lessees, by order of the Board. Begun August 29 and finished September 2, 1893.

*Pier 8, E. R.*

Secretary's Order No. 12932.—The pavement at entrance thereto was repaired by employees of lessees, by order of the Board. Begun July 3 and finished July 5, 1893.

*Pier 9, E. R.*

Secretary's Order No. 13737.—Twenty-one half-round fenders were renewed on the easterly side of pier, and 3 on the westerly side thereof. The backing-log was also repaired, where necessary, by Fearon & Jenks, contractors, for owners, by order of the Board. Begun April 21 and finished April 23, 1894.



## Work Supervised.

*Bulkhead between Piers 10 and 11, E. R.*

Secretary's Order No. 13735.—Six half-round fenders were renewed and the backing-log repaired, where necessary, by Fearon & Jenks, contractors, for owners, by order of the Board. Begun April 17 and finished April 21, 1894.

*Pier 11, E. R.*

Secretary's Order No. 13734.—Five half-round fenders, on westerly side of pier, were renewed, and one side-bearing pile near the outer end, and about 3 fender piles on westerly corner thereof refastened. The sheathing on surface of pier was repaired, where necessary, by Fearon & Jenks, contractors, for owners, by order of the Board. Begun April 16 and finished April 23, 1894.

*Pier 12, E. R.*

Secretary's Order No. 13211.—The sheathing on deck of easterly side of pier and the backing-log was patched, where necessary, and the mooring-posts and bearing piles renewed, where necessary, by Fearon & Jenks, contractors, for owners, by order of the Board. Begun October 2 and finished November 4, 1893.

*Dump at Pier 12, E. R.*

Secretary's Order No. 13141.—The surface of dump was renewed, where necessary, by employees of the Street Cleaning Department, under permit of the Board. Begun September 19, 1893, and finished April 2, 1894.

*Pier 13, E. R.*

Secretary's Order No. 13733.—Repairs to, by Fearon & Jenks, contractors, for owners and occupants, by order of the Board. Begun April 12, 1894 ; in progress.

*Pier 15, E. R.*

Secretary's Order No. 12828.—Two fender piles were renewed, several others refastened, and necessary repairs made to the backing-log and vertical sheathing on the lower side of pier by T. & A. Walsh, contractors, for John F. Doyle & Sons, agents, under permit of the Board. Begun May 17 and finished May 25, 1893.

*Approach to Pier 15, E. R.*

Secretary's Order No. 13500.—The pavement thereon was repaired by employees of owners, by order of the Board. Begun January 18 and finished February 3, 1894.

*Pier 18, E. R.*

Secretary's Order No. 13329.—The sheathing on deck of pier was repaired, where necessary, by employees of lessees, by order of the Board. Begun November 15 and finished November 29, 1893.

Secretary's Order No. 13587.—The vertical sheathing at outer end of pier was repaired, where necessary, and several fender piles thereat were refastened by Fearon & Jenks, contractors, for lessees, by order of the Board. Begun March 6 and finished March 7, 1894.

*Pier 19, E. R.*

Secretary's Order No. 13133.—The sheathing on deck of easterly half of pier was repaired, where necessary, by employees of owners, by order of the Board. Begun August 26 and finished September 2, 1893.

*Bulkhead at Pier 20, E. R.*

Secretary's Order No. 12582.—The piercing of bulkhead and the erection of a sewer under said pier was done by employees of the Department of Public Works, under permit of the Board. Begun October 20 and finished November 1, 1893.

*Pier 20, E. R.*

Secretary's Order No. 12951.—Five fender piles were driven and fastened at the outer westerly end of pier, by Fearon & Jenks, contractors for C. H. Mallory & Co., under permit of the Board. Begun June 16 and finished June 20, 1893.

*Burling Slip, E. R.*

Secretary's Order No. 12693.—Street cleaning material was removed therefrom by employees of the Street Cleaning Department, by order of the Board. Begun June 9 and finished June 20, 1893.

*Pier 21, E. R.*

Secretary's Order No. 12970.—Two side bearing piles and fenders were renewed, where necessary, on westerly side of pier, by Fearon & Jenks, contractors, for lessees, by order of the Board. Begun July 1 and finished July 5, 1893.

Secretary's Order No. 13228.—The pavement at entrance thereto was repaired by employees of lessees, by order of the Board. Begun and finished November 2, 1893.

*Ferry Premises at Fulton Street, E. R.*

Secretary's Order No. 12677.—The piles in ferry-racks thereat were renewed, where necessary, by John Monks & Son, contractors, for the Union Ferry Company, under permit of the Board. Begun March 27, and finished June 30, 1893. No repairs were made at Hamilton, South, Wall, or Catherine Ferries under this order.

Secretary's Order No. 13080.—The ferry-racks and entrance thereto were repaired, where necessary, by John Monks & Son, contractors, for the Union Ferry Company, under permit of the Board. Begun September 1, 1893; in progress. This order has been superseded by Secretary's Order No. 13406, dated December 8, 1893.

*Between Piers 22 and 23, E. R.*

Secretary's Order No. 12318.—The removal of Market Building of the Fulton Market Fishmongers' Association and the widening of South street by the erection of a platform thereat, were done in substantial accordance with report on Secretary's Order No. 12289, by Fearon & Jenks, contractors, for said association, under permit of the Board. Begun September 20 and finished November 4, 1893.

Secretary's Order No. 13461.—Iron posts and joists and sliding iron shutters were substituted for the wooden doors in the Fish Market Building between above piers, the approval of the Commissioners of the Sinking Fund having been obtained therefor by employees of the Fulton Market Fishmongers' Association, under permit of the Board. Begun January 2 and finished February 1, 1894.

*Bulkhead at Pier between Piers 22 and 23, E. R.*

Secretary's Order No. 13493.—A sign, which reads "McCabe's Express," was placed on the small office on bulkhead by employees of Daniel McCabe, under permit of the Board. Begun and finished January 15, 1894.

*Pier 23, E. R.*

Secretary's Order No. 12801.—Two white oak spring piles were driven and fastened at outer easterly corner of pier by Fearon & Jenks, contractors, for the Fulton Market Fishmongers' Association, under permit of the Board. Begun May 1 and finished May 3, 1893.

Secretary's Order No. 13188.—Four white oak fender piles were driven and fastened on the outer corners of pier by Fearon & Jenks, contractors, for the Fulton Market Fishmongers' Association, lessees, under permit of the Board. Begun September 16 and finished September 18, 1893.

## Work Supervised.

*Bulkhead between Piers 23 and 24, E. R.*

Secretary's Order No. 13183.—A portable house, about 7 feet square, was placed thereon by employees of Daniel McCabe, under permit of the Board. Begun September 19 and finished September 20, 1893.

*Bulkhead in front of Pier 24, E. R.*

Secretary's Order No. 13241.—The pavement thereon was repaired by employees of the Department of Public Works, by order of the Board. Begun October 23 and finished November 2, 1893.

*Piers 25 and 26, E. R.*

Secretary's Order No. 13644.—Two piles, 1 each on the upper sides of piers, were driven and fastened by John Monks & Son, contractors, for the New Haven Steamboat Company, under permit of the Board. Begun and finished April 9, 1894.

*Bulkhead between Piers 26 and 27, E. R.*

Secretary's Order No. 12490.—The pavement thereon was repaired by employees of the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun June 30 and finished July 5, 1893.

Secretary's Order No. 13154.—A fence about 4 feet high and about 64 feet long was erected on the backing-log thereon by employees of the New Haven Steamboat Company, under permit of the Board. Begun September 19 and finished September 21, 1893.

*Between Piers 26 and 29, E. R.*

Secretary's Order No. 12228.—The pavement thereat was repaired by employees of lessees and occupants, by order of the Board. Begun November 1, 1892, and finished July 3, 1893.

*Pier 27, E. R.*

Secretary's Order No. 13725.—The horizontal sheathing on westerly side of pier and the vertical sheathing on outer end of same were repaired by C. McLean, contractor, for the Baltimore and Ohio Railroad Company, occupants, by order of the Board. Begun April 18 and finished April 21, 1894.

*Pier, old 29, E. R.*

Secretary's Order No. 13426.—Five fender-piles were renewed on the westerly side thereof by John Monks & Son, contractors, for William Clyde & Co., under permit of the Board. Begun December 17 and finished December 18, 1893.

*Pier, new 24, E. R.*

Secretary's Order No. 13021.—Repairs to sewer-box thereat by John D. Walsh, contractor, for the Department of Public Works, by request of the Board. Begun April 23, 1894; in progress.

*Roosevelt Street Ferry, E. R.*

Secretary's Order No. 12610.—Piles were renewed in ferry-racks thereat, where necessary, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun May 15, and finished May 27, 1893. I have further to report that this order has been superseded by Secretary's Order No. 12895, dated May 27, 1893.

Secretary's Order No. 12895.—Three top courses of timber were renewed on bulkhead, at entrance to ferry, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun May 29 and finished August 29, 1893.

*Pier, old 32, E. R.*

Secretary's Order No. 13175.—The pavement in front of pier was repaired by employees of the Long Island Railroad Company, under permit of the Board. Begun September 13 and finished September 18, 1893.

*Pier 33, E. R.*

Secretary's Order No. 13408.—The pavement in front of pier was repaired by employees of lessees, by order of the Board. Begun December 29, 1893, and finished January 5, 1894.

*Pier 34, E. R.*

Secretary's Order No. 13409.—The pavement in front thereof was repaired by employees of lessees, by order of the Board. Begun December 29, 1893, and finished January 5, 1894.

Secretary's Order No. 13606.—The pavement in front thereof was repaired by employees of the Long Island Railroad Company, by order of the Board. Begun March 22 and finished March 24, 1894.

Secretary's Order No. 13705.—The fender piles on outer end of pier were refastened by Fearon & Jenks, contractors, by order of the Board. Begun April 10 and finished April 14, 1894.

*Pier, new 29, E. R.*

Secretary's Order No. 13478.—In relation to this order to erect a derrick on the north side of pier, provided the Dock Master could furnish a berth thereat for discharging coal, the Dock Master of the District was unable so to do, but furnished a suitable berth at Pier 4, East river, and a temporary derrick was erected thereat under this order by employees of the P. Divver Association, under permit of the Board. Begun and finished January 12, 1894.

*Pier 38, E. R.*

Secretary's Order No. 12961.—Seven fender and 2 bearing piles were driven on the westerly side of pier, and 2 fender piles on easterly side by H. DuBois' Sons, contractors, for the Maine Steamship Company, lessees, under permit of the Board. Begun June 27 and finished July 5, 1893.

*Pier 40, E. R.*

Secretary's Order No. 13123.—Eight fender piles were driven on the west side of pier and east of the floating church thereat, by Warren Roosevelt, contractor, for the New York and Northern Railroad Company, under permit of the Board. Begun August 24 and finished August 25, 1893.

*Bulkhead Platform on West Side of Pier 40, E. R.*

Secretary's Order No. 13544.—Six fender piles were driven, fastened and chocked thereat by Warren Roosevelt, contractor, for the New York and Northern Railroad Company, under permit of the Board. Begun February 27 and finished March 1, 1894.

*Bulkhead Platform on East Side of Pier 40, E. R.*

Secretary's Order No. 13635.—About 6 fender piles were driven and fastened, and bearing piles thereat refastened, where necessary, by G. W. Rogers & Co., contractors, for the New York Central and Hudson River Railroad Company, assignee for the New York and Northern Railroad Company, by order of the Board. Begun April 2 and finished April 10, 1894.

*Bulkhead South of Pier 43, E. R.*

Secretary's Order No. 12474.—An ice platform was erected thereon and a weigh office and scale placed thereat by employees of William J. Clark, under permit of the Board. Begun December 15, 1892, and finished July 25, 1893. I have further to report that I sent you a preliminary report on this order on January 10, 1893, the date of the completion of said platform, so that compensation for same could be fixed by the Treasurer.

*Rutgers Slip, E. R.*

Secretary's Order No. 12693.—Street cleaning material was removed therefrom by employees of the Street Cleaning Department, by order of the Board.

## Work Supervised.

*Pier 44, E. R.*

Secretary's Order No. 13315.—A coal-bin about 30 feet long, 20 feet wide and 6 feet high was erected thereon by employees of Nathan Straus, under permit of the Board. Begun November 15 and finished November 18, 1893.

Secretary's Order No. 13563.—The raising of the canal-boat "Bertha," sunk on the upper side of the pier, was done by Baxter & Co., contractors, for owners, by order of the Board. After being raised the said boat was towed to Weehawken. Begun February 2, and finished February 6, 1894.

*Bulkhead between Piers 44 and 45, E. R.*

Secretary's Order No. 13014.—The pavement thereon was repaired by employees of owners, by order of the Board. Begun July 11 and finished July 13, 1893.

Secretary's Order No. 13637.—The three top courses of square timber thereon were renewed and several white oak fender piles thereat driven and fastened by G. W. Rogers & Co., contractors, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun March 13 and finished March 24, 1894.

*Pier, old 45, E. R.*

Secretary's Order No. 13244.—About 70 white oak fender piles were driven and fastened on the corners and around the south side of pier by G. W. Rogers & Co., contractors, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun October 15 and finished November 4, 1893.

*Piers, old 45 and new 36, and Bulkhead between, E. R.*

Secretary's Order No. 12604.—Additional piles were driven between the present row of piles and the outer edge of said piers. The sheathing on deck was repaired, where necessary, and additional fenders and fender piles were also driven and fastened on the bulkhead between said piers by Warren Roosevelt, contractor, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun March 6 and finished July 13, 1893.

Secretary's Order No. 13652.—The horizontal sheathing on sides of piers was repaired and several fender piles at outer ends of piers were refastened by G. W. Rogers & Co., contractors, for the New York, New Haven and Hartford Railroad Company, by order of the Board. Begun April 2 and finished April 14, 1894.

*Pier 47, E. R.*

Secretary's Order No. 13719.—Two side bearing piles were refastened on westerly side of pier and 1 side bearing pile and 4 half-round fenders on the easterly side thereof by G. W. Rogers & Co., contractors, for occupants, by order of the Board. Begun April 13 and finished April 21, 1894.

*Pier 49, E. R.*

Secretary's Order No. 13262.—About 30 white oak fender piles were driven and fastened at outer corners and along the northerly side of pier and 3 gangways were also cut on the said northerly side of pier by G. W. Rogers & Co., contractors, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun October 25 and finished November 11, 1893.

*Bulkhead at Montgomery and South Streets, E. R.*

Secretary's Order No. 12843.—A sewer pipe was run through same to the East river by James Armstrong, contractor, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun May 12 and finished May 17, 1893.

*Bulkhead between Piers 51 and 52, E. R.*

Secretary's Order No. 12756.—A platform was built thereon, to be used for loading and unloading purposes, by employees of the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun August 15 and finished September 1, 1893.

Secretary's Order No. 13066.—Two openings, about 12 inches in diameter, were cut through the bulkhead to carry away the surface water therefrom by Warren Roosevelt, contractor, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun and finished August 1, 1893.

*Pier 52, E. R.*

Secretary's Order No. 12985.—About 12 bearing piles were driven and timber properly capped and placed thereon for a proper foundation for a 15-ton hand pillar crane constructed thereon by Warren Roosevelt, contractor, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun August 1 and finished August 3, 1893.

Secretary's Order No. 13718.—Repairs to the vertical sheathing on easterly side and outer end thereof by G. W. Rogers & Co., contractors, for owners and occupants, by order of the Board. Begun April 16, 1894 ; in progress.

*Bulkhead at East Street, near Cherry Street, E. R.*

Secretary's Order No. 13157.—Seven fender piles were replaced in front of bulkhead by Fearon & Jenks, contractors, for Henry Keteltas, under permit of the Board. Begun September 1 and finished September 4, 1893.

*Bulkhead West Side of Pier 53, E. R.*

Secretary's Order No. 13369.—A large boiler recently left thereon was removed by employees of owners, by order of the Board. Begun December 4 and finished December 15, 1893.

*Pier at Jackson Street, E. R.*

Secretary's Order No. 13156.—Two scow-loads of sand thereat were unloaded by employees of the Department of Public Works, under permit of the Board. Begun August 31 and finished September 19, 1893.

*Grand Street Ferry, E. R.*

Secretary's Order No. 12610.—Piles were renewed, where necessary, in ferry-racks thereat, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun March 20 and finished May 27, 1893. This order has been superseded by Secretary's Order No. 12895, dated May 27, 1893.

Secretary's Order No. 12895.—The surface of premises was repaired, where necessary, with new 2 and 3 inch spruce by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun May 29 and finished August 29, 1893.

Secretary's Order No. 13168.—The sheathing on deck of ferry bridge was patched, where necessary, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun September 6 and finished December 8, 1893. This order has been superseded by Secretary's Order No. 13407, dated December 8, 1893.

Secretary's Order No. 13407.—The sheathing on surface of approach thereto was repaired, where necessary, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun February 1 and finished March 17, 1894. This order has been superseded by Secretary's Order No. 13659, dated March 16, 1894.

*Pier 56, E. R. (South Half).*

Secretary's Order No. 13528.—The sheathing on deck thereof was patched with new 3-inch spruce by employees of the Brooklyn and New York Ferry Company, by order of the Board. Begun March 10 and finished March 21, 1894.

## Work Supervised.

### *Pier 57, E. R. (North Half).*

Secretary's Order No. 13129.—The bearing piles, caps, deck, and sheathing on deck were renewed thereat, where necessary, by employees of the Brooklyn and New York Ferry Company, owners, by order of the Board. Begun September 18 and finished October 17, 1893.

### *Bulkhead at Delancey Street, E. R.*

Secretary's Order No. 13389.—The brickwork of sewer thereat was repaired by employees of the Department of Public Works, by request of the Board. Begun December 5 and finished December 9, 1893.

### *Foot of Stanton Street.*

Secretary's Order No. 13499.—The easterly shanty referred to under this order was removed by the owners. Begun January 19 and finished January 20, 1894.

Secretary's Order No. 13525.—2,722 loads of condemned material from the Department of Public Works Yard at Rivington street, were placed in rear of crib and wall at the Stanton Street Section as directed. Begun January 29, and finished March 10, 1894.

### *Bulkhead at Pier 62, E. R.*

Secretary's Order No. 13703.—The cutting of stringpiece on bulkhead and the placing of an office and tool-house on the pier is being done by James Shewan & Son, under permit of the Board. Begun April 3, 1894 ; in progress.

### *Pier 62, E. R.*

Secretary's Order No. 13795.—The erection of a temporary platform on the northerly side of pier for use in unloading ice. Begun and finished by John F. Welch, under permit of the Board, April 19 to April 21, 1894.

### *Houston Street, E. R.*

Secretary's Order No. 13119.—Fifteen piles were renewed in ferry-rack thereat, and other necessary repairs made by T. & A. Walsh, contractors, for the Hassan Ferry Company, under permit of the Board. Begun September 18 and finished September 20, 1893.

### *Pier at Third Street, E. R.*

Secretary's Order No. 12827.—A bath was placed on the north side, near outer end thereof, by employees of Fincke & Hanfield, under permit of the Board. Begun and finished June 3, 1893.

Secretary's Order No. 12853.—A building, about 65 feet long, 12 feet wide and 10 feet high, for the purpose of keeping milk for sale to the poor of the city, was erected on the north side, inner end thereof, by R. H. Macy, for Nathan Straus, under permit of the Board. Begun May 20 and finished June 3, 1893.

Secretary's Order No. 13251.—A coal-bin about 80 feet long, 12 feet wide, and 6 feet high, was erected on the north side thereof by employees of Nathan Straus, under permit of the Board. Begun November 13 and finished November 18, 1893.

Secretary's Order No. 13605.—Ashes dumped thereat by the crew of the fire boat "Havemeyer," was removed by employees of the Department of Street Cleaning, by order of the Board. Begun and finished March 1, 1894.

### *Pier at Sixth Street, E. R.*

Secretary's Order No. 13236.—The backing-log and sheathing were repaired and several bearing piles driven and fastened thereon, by John Gillies, contractor, for occupants, by order of the Board. Begun October 9 and finished October 21, 1893.



*Pier at Seventh Street, E. R.*

Secretary's Order No. 13189.—Several fender and spring piles were reset and the backing-log repaired by John Gillies, contractor, for Morgan & McGovern, under permit of the Board. Begun September 26 and finished October 7, 1893.

Secretary's Order No. 13237.—The backing-log and sheathing on deck of pier were repaired, where necessary, by employees of occupants, by order of the Board. Begun October 9 and finished October 21, 1893.

*Pier at Twelfth Street, E. R.*

Secretary's Order No. 13132.—Six bearing and 2 fender piles were driven and fastened on the south side of pier by B. S. Cronin, contractor, for the Mutual Gas-light Company, under permit of the Board. Begun August 25 and finished August 29, 1893.

*Pier at Thirteenth Street, E. R.*

Secretary's Order No. 12833.—The side cap on deck of pier, near outer end, was repaired by B. S. Cronin & Son, contractors, for N. F. Palmer, Jr., & Co., under permit of the Board. Begun May 8 and finished May 27, 1893.

Secretary's Order No. 13054.—The badly decayed square timber on the easterly side of pier was renewed by employees of the New York Mutual Gas-light Company, under permit of the Board. Begun August 1 and finished August 4, 1893.

Secretary's Order No. 13396.—Eight spring piles were driven and fastened along the northerly side of pier by B. S. Cronin, contractor, for the New York Mutual Gas-light Company, under permit of the Board. Begun December 4 and finished December 8, 1893.

*Bulkhead between Thirteenth and Fourteenth Streets, E. R.*

Secretary's Order No. 12253.—The old bulkhead was taken down and rebuilt, from about low water up, by John Gillies & Son, contractors, for owners, by order of the Board. Begun March 27 and finished June 3, 1893.

*Bulkhead between Fifteenth and Sixteenth Streets, E. R.*

Secretary's Order No. 12821.—The old bulkhead was removed to about low water mark and rebuilt by John Monks & Son, contractors, for the Consolidated Gas Company, under permit of the Board. Begun May 1 and finished July 13, 1893.

*Bulkhead from Eighteenth Street to the Centre Line of the Block between Nineteenth and Twentieth Streets, E. R.*

Secretary's Order No. 13225.—The bulkhead was rebuilt, from about mean low water mark up, by H. DuBois' Sons, contractors, for John N. Brookman, under permit of the Board. Work was kept within existing lines. Begun November 22, 1893, and finished February 3, 1894.

*Pier at Nineteenth Street, E. R.*

Secretary's Order No. 13008.—An ice bridge was erected on the south side of pier by employees of Walter E. Scott, under permit of the Board. Begun and finished July 8, 1893.

Secretary's Order No. 13375.—The replacing of a mooring-post and the driving of 6 white oak spring piles on the north side of pier were done by H. DuBois' Sons, contractors, for John N. Brookman, under permit of the Board. Begun December 12 and finished December 15, 1893.

*Pier at Twenty-third Street, E. R.*

Secretary's Order No. 12930.—The sheathing on deck of pier was repaired by employees of lessees, by order of the Board. Begun June 22 and finished July 14, 1893.

Secretary's Order No. 13769.—Repairs to, by employees of lessee, by order of the Board. Begun April 21, 1894 ; in progress.



## Work Supervised.

*Twenty-third Street Ferry, E. R.*

Secretary's Order No. 12895.—The surface of the premises was repaired, where necessary, with new 2 and 3 inch spruce, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun May 29 and finished August 29, 1893.

Secretary's Order No. 13168.—The sheathing on deck of ferry-bridge was patched, where necessary, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun September 6 and finished December 8, 1893. This order has been superseded by Secretary's Order No. 13407, dated December 8, 1893.

Secretary's Order No. 13407.—The sheathing on surface of approach thereto was repaired, where necessary, by employees of the Brooklyn and New York Ferry Company, under permit of the Board. Begun February 1 and finished March 17, 1894. This order has been superseded by Secretary's Order No. 13659, dated March 16, 1894.

*Pier at East Twenty-fourth Street.*

Secretary's Order No. 13440.—The driving of fender-piles on the south side of the pier, to be done by the Tenth and Twenty-third Street Ferry Company, under permit of the Board. Begun December 23, 1893, and temporarily suspended.

Secretary's Order No. 13692.—The changing of the location of lights from the south side of the Pier at the foot of East Twenty-fourth street, to be done by the Tenth and Twenty-third Street Ferry Company, under permit of the Board. Begun April 3 and finished April 20, 1894.

*Pier at Twenty-fifth Street, E. R.*

Secretary's Order No. 13150.—Old concrete mixer was removed from the pier by Archibald Brown, who was notified to remove it within ten days. Begun September 15 and finished September 21, 1893.

*Between East Twenty-sixth and Twenty-eighth Streets.*

Secretary's Order No. 12645.—The building of a brick and stone wall with foundation piling, and an iron railing between the above streets, is to be done by the Department of Charities and Correction, under permit of the Board. Railing begun April 3, 1893, and finished; wall not yet commenced.

*Pier at Twenty-eighth Street, E. R.*

Secretary's Order No. 12830.—A small house was removed therefrom by employees of owners, by order of the Board. Begun and finished May 13, 1893.

Secretary's Order No. 13288.—The ice-bridge thereat was removed by employees of the Knickerbocker Ice Company, whose permit for same was revoked. Begun and finished November 1, 1893.

Secretary's Order No. 13273.—The placing of convertible cable connections under the pier by the United Electric-light and Power Company, under permit of the Board. Begun October 24 and finished October 28, 1893.

*Pier foot of East Twenty-ninth Street, E. R.*

Secretary's Order No. 13693.—The placing of ice-bridges, scales and weight office at East Twenty-ninth street, was begun by the Knickerbocker Ice Company April 5, 1894, under permit of the Board, and finished April 28, 1894.

*Bulkhead between Twenty-ninth and Thirtieth Streets, E. R.*

Secretary's Order No. 12876.—The bulkhead was repaired by rebuilding same from about low water mark up, where necessary, by John W. Flaherty, contractor, for owners, by order of the Board. Begun November 13, 1893, and finished January 15, 1894.

Work Supervised.

*Bulkhead between Thirtieth and Thirty-first Streets, E. R.*

Secretary's Order No. 13167.—The lighter "Annie," recently sunk thereat, was removed by employees of owners, by order of the Board. Begun September 5 and finished September 7, 1893.

Secretary's Order No. 13216.—Three fender-piles were driven and fastened and 1 mooring-post, 12 yellow pine fenders and the 2 upper courses of square timber thereon renewed by T. & A. Walsh, contractors, for H. D. Brookman, under permit of the Board. Begun October 7 and finished October 16, 1893.

*Pier at Thirty-third Street, E. R.*

Secretary's Order No. 12894.—The removal of scales and ice-bridge of the Knickerbocker Ice Company from above pier to the Pier at foot of Twenty-eighth street, East river, was done by employees of said company, under permit of the Board. Begun May 22 and finished May 27, 1893.

*Bulkhead between Thirty-fifth and Thirty-sixth Streets, E. R.*

Secretary's Order No. 13318.—Repairs thereto by M. Engel & Co., contractors, for William P. Young & Bro., under permit of the Board. Begun November 3, 1893; suspended. Work will be resumed soon.

*Bulkhead for about 75 feet South of Thirty-seventh Street, E. R.*

Secretary's Order No. 13089.—About 50 feet of bulkhead was renewed from about low water mark up, and the backing-log was renewed for a distance of about 25 feet of same, by J. W. Flaherty, contractor, for E. Ellery Anderson, by order of the Board. Begun August 14 and finished September 2, 1893.

*Bulkhead at Thirty-seventh Street, E. R.*

Secretary's Order No. 12805.—The piercing thereof for sewer outlet was done by Pinkerton & Casey, contractors, for the Department of Public Works, under permit of the Board. Begun April 27 and finished June 22, 1893.

Secretary's Order No. 13088.—A depression or wash-out thereat was filled-in with stone and earth by J. W. Flaherty, contractor, for lessees, by order of the Board. Begun August 14 and finished September 2, 1893.

*Pier and Approach at Thirty-seventh Street, E. R.*

Secretary's Order No. 13365.—The surface of approach was repaired and the sheathing on deck of pier renewed, where necessary; the backing-log was also repaired and the fenders on north side of pier were renewed, where necessary, by C. McLean, contractor, for lessees, by order of the Board. Begun December 2, 1893, and finished January 20, 1894.

*Dock between Thirty-seventh and Thirty-eighth Streets, E. R.*

Secretary's Order No. 13256.—Repairs to, by the Kips Bay Brewing Company, under permit of the Board. Begun October 17, 1893; suspended until Spring.

*Pier at Thirty-eighth Street, E. R.*

Secretary's Order No. 13283.—The running of a cable under the deck of pier and the placing of an iron box 7 feet high, 7 feet long and 2 feet 6 inches wide, at the outer end of the Street Cleaning Dump thereat, to protect the end of said cable, was done by employees of the Metropolitan Telephone and Telegraph Company, under permit of the Board. Begun November 3, 1893, and finished February 1, 1894.

*Platform between Thirty-eighth and Thirty-ninth Streets, E. R.*

Secretary's Order No. 13710.—Removal of 3 stables near the northerly end thereof by owners, by order of the Board. Begun April 23, 1894; in progress.

## Work Supervised.

*Pier at Forty-fourth Street, E. R.*

Secretary's Order No. 12767.—The accumulation of refuse and manure was removed therefrom by employees of Schwarzschild & Sulzberger, by order of the Board. Begun April 19 and finished May 2, 1893.

*Bulkhead between Forty-seventh and Forty-eighth Streets, E. R.*

Secretary's Order No. 13381.—About 50 spruce fender-piles were driven and fastened thereon by Cofrode & Silliman, contractors, for William J. Peck, under permit of the Board. Begun November 27 and finished December 13, 1893.

*Bulkhead at Forty-eighth Street, E. R.*

Secretary's Order No. 12942.—A portion of the pavement thereat, under the control of the Department of Public Works, was repaired by employees of said Department, by order of the Board. Begun August 17 and finished August 26, 1893.

*Bulkhead between Fifty-fourth and Fifty-fifth Streets, E. R.*

Secretary's Order No. 13785.—Erection of a temporary shed on the southerly half of, by employees of the Consumers' Brewing Company, under permit of the Board. Begun April 10, 1894; in progress.

*Bulkhead Platform between Sixtieth and Sixty-first Streets, E. R.*

Secretary's Order No. 13013.—A derrick was placed thereat, attached to one of the mooring-posts on said bulkhead platform, but after being used in discharging one vessel, was taken down and removed by employees of William G. Horgan, under permit of the Board. Begun July 12 and finished July 29, 1893.

*Seventy-sixth Street, E. R.*

Secretary's Order No. 12546.—A sunken canal-boat thereat was raised and subsequently towed to the Delaware and Hudson Canal Company's Dock, New Jersey, by employees of owners, by order of the Board. Begun April 22 and finished May 2, 1893.

Secretary's Order No. 13751.—The exterior line of the basin outside of high water was extended for the purpose of using it as a bathing-pool for the East Side House, under permit of the Board. Begun April 1 and finished April 26, 1894.

*Bulkhead between Seventy-eighth and Seventy-ninth Streets, E. R.*

Secretary's Order No. 13015.—Three new white oak spring piles were driven and fastened thereat, and 40 others refastened, by T. & A. Walsh, contractors, for the Ridgewood Ice Company, under permit of the Board. Begun and finished July 21, 1893.

*East Eightieth Street, E. R.*

Secretary's Order No. 12682.—The bulkhead was pierced at above premises and a water-pipe extended through same by Manhattan Electric Company, under permit of the Board. Begun May 1 and finished May 19, 1893.

*Between Eightieth and Eighty-first Streets, E. R.*

Secretary's Order No. 13645.—A portion of the fence thereat was removed by employees of Michael McGrath, under permit of the Board. Begun and finished March 21, 1894.

*Foot of Eighty-sixth Street, E. R.*

Secretary's Order No. 13012.—The canal boat "Ida Hill," recently sunk thereat, was raised by the Baxter Wrecking Company, contractors, for owners, by order of the Board. Begun July 8 and finished July 13, 1893.

*Ninety-second Street, E. R.*

Secretary's Order No. 12752.—The ferry-racks thereat were repaired by renewing piles therein, where necessary, by T. & A. Walsh, contractors, for the New York and East River Ferry Company, under permit of the Board. Begun April 5 and finished May 2, 1893.

Secretary's Order No. 12635.—The repairing of woodwork of the entire ferry-house thereat, where necessary, the painting of same and the making of necessary repairs to the ferry bridge was done by employees of the New York and East River Ferry Company, under permit of the Board. Begun March 27 and finished May 23, 1893.

*Bulkhead between Ninety-third and Ninety-fourth Streets, E. R.*

Secretary's Order No. 13243.—The bulkhead was repaired by rebuilding same from about low water up, by T. & A. Walsh, contractors, for E. A. Cruikshank & Co., agents for owners, under permit of the Board. Begun and finished November 20, 1893.

*Pier, Ninety-fourth Street, E. R.*

Secretary's Order No. 12771.—A tower for the handling of coal on the pier was erected by Hencken & Co., under permit of the Board. Begun July 20 and finished December 30, 1893.

*Bulkhead between Ninety-fourth and Ninety-fifth Streets, E. R.*

Secretary's Order No. 13370.—The removal of the sunken canal-boat "Mayor Hewitt" therefrom, was done by the Baxter Wrecking Company, contractors, for owners, by order of the Board. Begun December 1 and finished December 9, 1893.

*Ninety-ninth Street, E. R.*

Secretary's Order No. 12832.—About 5 piles were renewed in ferry-rack thereat and the ferry bridge was repaired, where necessary, by T. & A. Walsh, contractors, for the New York and College Point Ferry Company, under permit of the Board. Begun May 8 and finished May 13, 1893.

## HARLEM RIVER.

*Foot of East One Hundredth Street.*

Secretary's Order No. 12936.—A landing at foot of street was removed by John Boelsen, under order of the Board. Begun June 17, 1893, and finished March 24, 1894.

*Bulkhead at One Hundred and Fourth Street, H. R.*

Secretary's Order No. 12964.—An ice bridge was placed thereat by employees of James J. Herbert, under permit of the Board. Begun and finished July 13, 1893.

*Bulkhead between One Hundred and Seventh and One Hundred and Eighth Streets, H. R.*

Secretary's Order No. 12955.—In relation to this order to direct and superintend the erection of an ice platform on bulkhead, under permit to James J. Herbert. The order has been superseded by Secretary's Order No. 12964, dated June 23, 1893, placing said ice platform at bulkhead foot of One Hundred and Fourth street, Harlem river.

*Foot of East One Hundred and Tenth Street, H. R.*

Secretary's Order No. 13393.—The construction of a dump on the north side of Pier foot of East One Hundred and Tenth street, under this order, was to have been done by John Anton, under permit of the Board. Work was begun December 13, 1893, but was discontinued, the order being returned December 27, 1893.

## Work Supervised.

Secretary's Order No. 13578.—The building of a dump on the north side of Pier foot of East One Hundred and Tenth street was done by John Anton, under permit of the Board. The work was originally begun (Secretary's Order No. 13393) December 18, 1893, and finished under Secretary's Order No. 15578, March 5, 1894.

### *Pier between One Hundred and Sixteenth and One Hundred and Seventeenth Streets, H. R.*

Secretary's Order No. 12994.—Several bearing and fender piles were driven on same, and other necessary repairs made by T. & A. Walsh, contractors, for Henry Trowbridge, under permit of the Board. Begun July 1 and finished August 5, 1893.

### *Bulkhead north side of Pier between One Hundred and Sixteenth and One Hundred and Seventeenth Streets, H. R.*

Secretary's Order No. 13033.—A crib-bulkhead, about 7 feet easterly from above bulkhead and about 25 feet out from the old bulkhead at the south side of One Hundred and Seventeenth street. The pier was built by T. & A. Walsh, contractors, for Henry Trowbridge, under permit of the Board. Begun July 14 and finished August 5, 1893.

### *Pier at One Hundred and Seventeenth Street, H. R.*

Secretary's Order No. 13196.—A horizontal chock between fenders was renewed on north side of pier, by employees of lessees, by order of the Board. Begun September 22 and finished September 23, 1893.

Secretary's Order No. 13111.—The sheathing on deck of pier was repaired by employees of John H. Starin, by order of the Board. Begun August 24 and finished September 20, 1893.

### *One Hundred and Twenty-fifth to One Hundred and Twenty-sixth Street, H. R.*

Secretary's Order No. 13690.—Sixty piles were driven in front of the timber basin at above premises, by Yellow Pine Company, under permit of the Board. Begun March 9 and finished March 16, 1894.

### *Pier at One Hundred and Twenty-sixth Street, H. R.*

Secretary's Order No. 12694.—Fender piles were placed on the outer end of pier by Warren Roosevelt, contractor, for the Yellow Pine Company, under permit of the Board. Begun May 8 and finished May 12, 1893.

### *Willis Avenue, H. R.*

Secretary's Order No. 13748.—A slip and transfer bridge is being erected north of and adjoining the present transfer bridge at above premises, by the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun April 5, 1894; in progress.

### *One Hundred and Twenty-ninth Street and Second Avenue, H. R.*

Secretary's Order No. 13520.—Piles were placed and necessary repairs made to fenders on the drawbridge thereat by employees of the Manhattan Railway Company, under permit of the Board. Begun February 1 and finished February 13, 1894.

### *Platform at One Hundred and Thirtieth Street, H. R.*

Secretary's Order No. 13082.—The sheathing on deck thereof was patched and the backing-log and tender piles were renewed, where necessary, by Walls & Van Riper, contractors, for M. G. & G. A. Wright, under permit of the Board. Begun August 14 and finished August 23, 1893.

### *One Hundred and Thirtieth Street, between Third and Lexington Avenues, H. R.*

Secretary's Order No. 13506.—Floats and boat-houses were placed on the property of Henry Hart thereat by employees of Orson P. Raynor, under permit of the Board. This Department

returned to said Orson P. Raynor his floats, which were sometime since removed by the Department force from foot of One Hundred and Thirtieth street, Harlem river. Begun January 10 and finished January 17, 1894.

*Lexington Avenue, H. R.*

Secretary's Order No. 13464.—A fence was erected at above premises near the corner of One Hundred and Thirty-first street, by Henry Hart, under permit of the Board. Begun and finished January 4, 1894.

*Bulkhead East of Alexander Avenue, H. R.*

Secretary's Order No. 12342.—The bulkhead was taken down and rebuilt from about low water up, and fender piles were driven and fastened in front of same by Warren Roosevelt, contractor, for owners, by order of the Board. Begun December 19, 1892, and finished May 27, 1893.

*Between Willis and Alexander Avenues, H. R.*

Secretary's Order No. 12673.—The ferry-racks were repaired and piles driven thereat, where necessary, by Warren Roosevelt, contractor, for the New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun March 27 and finished July 25, 1893.

*One Hundred and Thirty-first Street, H. R.*

Secretary's Order No. 13494.—A temporary dock was erected in front of the bulkhead at above premises by Isaac A. Hopper, under permit of the Board. Begun March 9 and finished March 16, 1894.

*Fourth Avenue, H. R.*

Secretary's Order No. 12665.—A bridge was erected across the Harlem river at this point by the New York Central and Hudson River Railroad Company, under permit of the Board. Begun September 7, 1892, and finished July 15, 1893.

*One Hundred and Thirty-eighth Street, H. R.*

Secretary's Order No. 11825.—A crib-bulkhead was erected at above premises, on the easterly side of Harlem river, by John H. Cheever, under permit of the Board. Begun May 2, 1892, and finished May 8, 1893.

*Pier at One Hundred and Fortieth Street, H. R.*

Secretary's Order No. 13740.—Placing of a temporary tool-house thereon by Arthur McMullin & Co., under permit of the Board. Begun April 16, 1894 ; in progress.

*Eighth Avenue, H. R.*

Secretary's Order No. 11604.—An iron and wooden structure was erected at above premises by Manhattan Railway Company, under permit of the Board. Begun March 9, 1892, and finished June 10, 1893.

*Macomb's Dam Bridge, H. R.*

Secretary's Order No. 11895.—Piles were driven and alterations are being made to the bulkhead at above premises by Passaic Mills Company, under permit of the Board. Begun May 9, 1892 ; in progress.

*Morris Dock, H. R.*

Secretary's Order No. 12882.—A coal shed, etc., was erected at above premises by Overbaugh & Camp, under permit of the Board. Begun May 10 and finished May 20, 1893.

Secretary's Order No. 12885.—A boat-house was  
: Board. Begun June 15 and finished June 16, 1893.

*Kingsbridge, H. R.*

Secretary's Order No. 12908.—A platform was erected at above premises, between the bulkhead-line and the south side of Riverdale avenue, by T. & W. Thorne & Co. Begun July 15 and finished October 31, 1893.

MOTT HAVEN CANAL.

*Mott Haven Canal, H. R.*

Secretary's Order No. 12027.—A crib-bulkhead was erected at above premises by John H. Cheever, under permit of the Board. Begun September 3, 1892, and finished May 8, 1893.

*Between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh Streets, East Side of Mott Haven Canal.*

Secretary's Order No. 13040.—Six fender piles were driven and fastened by Walls & Van Riper, contractors, for Henry Meyer, under permit of the Board. Begun July 20 and finished July 21, 1893.

*Bulkhead and Bulkhead-platform South of One Hundred and Thirty-eighth Street, Mott Haven Canal.*

Secretary's Order No. 12924.—The 4 top courses of square timber on bulkhead were renewed and some additional bearing piles were driven and fastened under platform thereat by Walls & Van Riper, contractors, for James Stephens & Son, under permit of the Board. Begun June 19 and finished July 5, 1893.

*Bulkhead at One Hundred and Thirty-eighth Street, East Side of Mott Haven Canal.*

Secretary's Order No. 13023.—Several fender piles were driven and fastened in front thereof by Walls & Van Riper, contractors, for owners, by order of the Board. Begun July 24 and finished July 27, 1893.

*One Hundred and Thirty-eighth Street, West Side of Mott Haven Canal.*

Secretary's Order No. 13020.—A hoisting elevator was erected, about 75 feet south thereof, by Walls & Van Riper, contractors, for James Stephens & Son, under permit of the Board. Begun July 13 and finished July 31, 1893.

*Oak Point, Bronx River, Long Island Sound.*

Secretary's Order No. 10938.—The water-front in the vicinity of above premises is to be improved by filling-in, etc., by East Bay Land and Improvement Company, under permit of Board. Begun September 15, 1891, and in progress from time to time.

*Willow Avenue, Bronx Kills.*

Secretary's Order No. 13323.—A temporary platform on piles was erected at above premises by R. McLaughlin, under permit of the Board. Begun December 1 and finished December 1893.

EAST RIVER SECTIONS.

No. 12473.—The space under ice bridges on the East river, and on  
the owners, as required by order of the Board, d



**REMOVAL OF OBSTRUCTIONS.**

*Removing Rubbish from West Washington Market Section, Canal Street and North of Canal Street.*

**PAVEMENT.**

Secretary's Order No. 13636.—This work consisted in removing about 24 loads of rubbish and dirt, about equally divided between the pavement in front of Pier, new 15, North river, and the pavement in front of Pier, 42, near the foot of Canal street. This rubbish and dirt was the remains of snow and garbage, dumped on the pavement during the winter, principally by the carts of the Street Cleaning Department. Begun March 10 and finished March 14, 1894.

*Pier, new 21, N. R.*

Secretary's Order No. 12338.—A sunken canal-boat was removed by Morris & Cumings, under Treasurer's Order No. 17889. Begun November 24 and finished November 28, 1893.

*Bulkhead North of Pier, new 42, N. R.*

**REMOVING TIMBER OBSTRUCTIONS.**

Secretary's Order No. 13387.—This work consisted in removing two timber masts formerly used for hoisting coal on bulkhead north of Pier, new 42, North river, filling holes and relaying about 4 square yards of pavement with coal-tar and gravel joints caused by above removal. Begun December 5 and finished December 12, 1893.

*Between Perry and West Eleventh Streets.*

**CLEANING BULKHEAD.**

Under Unanimous Resolution of the Board, May 12, 1892.

Secretary's Order No. 13535.—This work is being done by Department labor, under resolution of the Board, May 12, 1892, and above Secretary's Order, and consists in cleaning the bulkhead between Perry and West Eleventh street. Begun February 8, 1894; in progress.

*Cleaning Pavements, Piers, Bulkheads, Approaches, and Sprinkling Pavement.*

Under Unanimous Resolution of the Board, May 12, 1892.

**PAVEMENTS.**

May 1, 1893, to April 30, 1894.—Pavement was cleaned on new-made land, and cleared of snow between the following points: Between Pier "A" and Pier, new 1, North river; between Dey and Vesey streets; between Warren and Jay streets; between Canal and West Tenth streets; between Piers, new 54 and 55, North river; between Piers, new 55 and 57, North river.

**CLEANING PIERS.**

May 12, 1893, to April 30, 1894.—The decks of the following piers were cleaned as required, also cleared of snow: Piers, new 14 and 15, North river; Pier foot of Perry street; Pier foot of Canal street (Pier 42); Piers, old 57 and 58, North river; Pier foot of West Thirteenth street, North river; Piers foot of West Fifteenth and West Nineteenth streets, North river; Pier foot of West Twentieth street, North river; Pier foot of West Thirtieth street, North river; Pier foot of West Thirty-fourth street, North river; Pier foot of West Forty-seventh street, North river; Pier foot of West Fiftieth street, North river; Pier foot of West Fifty-second street, North river; Pier foot of West Fifty-fifth street, North river; Pier foot of West Fifty-sixth street, North river.

**CLEANING BULKHEADS.**

May 1, 1893, to April 30, 1894.—The following bulkheads were cleaned as required: Bulkheads around Oyster Basin, between Piers, new 55 and 56, 57 and 58 and 59 and 60, North river.



## Removal of Obstructions.

## CLEANING APPROACHES.

April 4, 1894, to April 30, 1894.—The following approaches were cleaned as required: Approaches to Piers, new 46 and 47; West Forty-fourth Street Pier; Piers, new 54, 55 and 56, 57 and 58 and 59.

## SPRINKLING PAVEMENT.

April 4 to April 30, 1894.—Pavement was sprinkled on new-made land between the following points as required: Dey and Vesey streets; Warren and Vestry streets; Canal and West Tenth streets.

## CLEANING WHARVES, PIERS AND BULKHEADS ON THE EAST RIVER.

Piers at the foot of East Eighteenth, Twenty-eighth, Ninety-fourth, Ninety-fifth and One Hundred and Tenth streets, and bulkhead from East One Hundred and Seventh to One Hundred and Tenth streets, have been kept clean during the year. 94 loads of sweepings from East Eighteenth street, 79 loads from the foot of East Twenty-third street, and 302 loads from Pier foot of East Twenty-eighth street were removed by Peter Murray and Edward McKeever, under Treasurer's orders therefor, and deposited on scows of the Department of Street Cleaning foot of East Seventeenth and East Thirty-eighth streets.

*Table Showing Loads of Sweepings removed from Wharves, Piers and Bulkheads to the Dumping-Boards of the Department of Street Cleaning during the Year ending April 30, 1894.*

Under Unanimous Resolution of the Board, May 12, 1892.

Dumps.	Loads.	
Canal street, North river.....	2,462	
Little West Twelfth street, North river.....	202	
Nineteenth street, North river.....	143	
Thirtieth street, North river.....	453	
Forty-seventh street, North river.....	126	
Total on North river.....		3,386
Pier 12, East river.....	173	
Pier 44, East river.....	433	
Pier 61, East river.....	315	
East Seventeenth street.....	94	
East Twenty eighth street.....	302	
East Thirty-eighth street.....	134	
East Forty-sixth street.....	108	
East Seventieth street.....	389	
East Eightieth street.....	306	
East One Hundred and Tenth street.....	13	
East One Hundred and Thirty-second street.....	19	
Total on East river.....		2,286
Sundry places on North, East and Harlem rivers.....		1,203
Dumped in rear of bulkhead-wall at East Twenty-fourth Street Section.....		79
Total sweepings removed.....		6,954

**NEW WHARFAGE ROOM.**

NEW WHARFAGE ROOM MADE DURING THE YEAR ENDING APRIL 30, 1894.

## CONSTRUCTION UNDER "NEW PLAN."

North River—		Linear feet.
New wall at Canal Street Section .....	114.14	
New wall at West Twenty-third Street Section, south end.....	440.67	
New wall at West Forty-third Street Section.....	185.53	
New wall at West Fifty-second Street Section, north end.....	220.60	
East River—		
New wall at Stanton Street Section.....	264.33	
New wall at East Twenty-fifth Street Section.....	117.18	
New wall at Bellevue Section.....	21.39	
New wall at East Ninety-sixth Street Section.....	103.83	
New wall at East Ninety-ninth Street Section.....	121.27	
Harlem River—		
New wall at East One Hundred and Second Street Section.....	433.10	
Total new wall.....		2,022.04
North River—		
Pier, new 14, outer end (widening).....	50.00	
Pier, new 22, sides and outer end .....	1,446.00	
Pier, old 42 (in excess of old pier).....	578.00	
Pier, new 36 (extension), sides.....	280.23	
Pier, new 38 (extension), sides.....	256.63	
Pier, new 40 (extension), sides.....	238.75	
Pier, new 43 (extension), side.....	101.95	
Pier at West Fifty-fourth street, sides and outer end.....	1,060.00	
East River—		
Pier at East Twenty-fourth street (extension), side.....	527.00	
Pier at East Twenty-fifth street, sides and outer end.....	1,472.00	
Pier at East Twenty-ninth street, sides and outer end ..	1,007.33	
Pier at East Ninety-sixth street, sides and outer end.....	554.00	
Total pier-line.....		7,571.89
Total wall and pier line under "New Plan".....		9,593.93

## TEMPORARY CONSTRUCTION UNDER "NEW PLAN."

North River—		
Pier at West Fifteenth street, in excess of old pier.....	242.39	
Total pier-line—temporary work under "New Plan".....		242.39

## WORK NOT UNDER "NEW PLAN."

North River--		
Temporary wharf at Battery wall.....	60.00	
Crib-bulkhead from the middle of the block between West Ninety-seventh and West Ninety-eighth streets to north of West Ninety-ninth street .....	303.17	
Crib-bulkhead between One Hundred and Twenty-ninth and One Hundred and Thirtieth streets, North river.....	215.00	

## New Wharfage Room.

## East River—

Crib-bulkhead along northerly side of Stanton street. ....	100.00
Crib-bulkhead at "Store-house Dock," Blackwell's Island.....	150.00

Total.....	828.17
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Total new wall, crib-bulkhead and pier-line for the year.....	10,664.49
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Deduct for bulkhead-line, which comes under the new piers, etc., as follows :

New wall at West Fifty-fourth street, North river.....	60.00
New wall at East Ninety-sixth street, East river.....	60.00

Total.....	120.00
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Total new wharfage room for the year. ....	10,544.49
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The net increase during the year in the length of wharfage room is 8,149 linear feet, and the superficial area of piers has been increased by 285,996 square feet, during the year.

NEW WHARFAGE ROOM IN LINEAR FEET TO BE MADE BY WORK BEGUN BUT NOT FINISHED  
DURING THE YEAR ENDING APRIL 30, 1894.

## WORK UNDER "NEW PLAN."

## North River—

Linear f. et.

New wall at Warren Street Section.....	253.00
New wall at Canal Street Section.....	34.47
New wall at West Forty-third Street Section.....	29.96
New wall at West Fifty-second Street Section, north end.....	564.30

## East River—

New wall at Stanton Street Section.....	292.88
New wall at East Twenty-fifth Street Section. ....	158.96
New wall at East Ninety-first Street Section. ....	375.88
New wall at East Ninety-ninth Street Section.....	243.15

Total wall-line.....	1,952.60
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## North River—

Pier, new 19, side and outer end.....	745.00
Pier, new 53, side and outer end.....	542.00

## East River—

Pier foot of East Sixtieth street, sides and outer end .....	391.00
Pier foot of East Ninety-first street, sides and outer end.....	838.00
Pier foot of East One Hundredth street, sides and outer end.....	407.00

Total pier-line .....	2,923.00
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## TEMPORARY WORK UNDER "NEW PLAN."

## North River—

Pier at West Nineteenth street (extension), sides.....	306.00
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Total. ....	306.00
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Total wall and pier line under "New Plan," begun but not finished during the year .....	5,181.60
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## New Wharfage Room.

*New Wharfage Room, in linear feet, made during the Year ending April 30, 1893, by Private Parties under Permit of the Board of Docks.*

LOCATION.	LINEAR FEET		
	Bulkhead Line.	Pier Line.	Total.
<i>North River.</i>			
Pier, old 28, North river (extension), sides .. . . .	.. ..	506	506
<i>East River.</i>			
Pile platform foot of Willow avenue (Bronx Kills). .. .	78	.. ..	
Crib-bulkhead at Oak Point.....	100	.. ..	
Total on East river .. .	.. ..	.. ..	178
<i>Harlem River.</i>			
Pile platform at East One Hundred and Thirty-first street. . . . .	97	.. ..	
Crib-bulkhead, etc., along the westerly side of Mott Haven Canal and on } northerly side of Harlem river, adjoining.....	1,152	.. ..	
Crib-bulkhead along easterly side of Harlem river, North of Madison avenue..	745	.. ..	
Pile platform, south side of Riverdale avenue.....	134	.. ..	
Total on Harlem river .. .	.. ..	.. ..	2,128
Total new wharfage room completed during the year. .. .	.. ..	.. ..	2,806

*New Wharfage Room, in linear feet, to be made by Work carried on during the Year by Private Parties, under Permit of the Board of Docks, but not yet finished.*

LOCATION	LINEAR FEET.		
	Bulkhead Line.	Pier Line.	Total.
<i>North River.</i>			
New wall at Dry Street Section .. . . .	240.00	.. ..	
Pier, new 13, sides and outer end.....	.. ..	1,545.00	
Total on North river .. .	.. ..	.. ..	1,785.00
<i>Harlem River.</i>			
Crib-bulkhead between East One Hundred and Sixteenth and One Hundred } and Seventeenth streets .. . . .	200.00	.. ..	
Total on Harlem river.. .	.. ..	.. ..	200.00
Total new wharfage room in progress. .. .	.. ..	.. ..	1,985.00

New Wharfage Room.

*Total New Wharfage Room Completed by the Department of Docks from 1885 to 1894.*

1885.....	6,190.80 feet.	1891.....	14,247.48 feet.
1886.....	895.40 “	1892.....	9,981.23 “
1887.....	115.50 “	1893.....	4,272.98 “
1888.....	8,863.17 “	1894.....	10,544.49 “
1889.....	13,157.17 “		
1890.....	6.629.71 “		
		Total.....	<u>74,897.93 feet.</u>

Transatlantic Steamships.

TABLE SHOWING INCREASE OF SIZE OF TRANSATLANTIC STEAMSHIPS, 1874-1894.

SUMMARY.

*Ships Built between 1870-1874.*

1 ships over 300 and under 350 feet.	5 ships over 450 and under 500 feet.
9 “ 350 “ 400 “	1 “ 500, S. S. Berlin, 520 feet over all.
5 “ 400 “ 450 “	

GROSS TONNAGE.

3 ships over 2,500 and under 3,000 tons.	3 ships over 4,500 and under 5,000 tons.
7 “ 3,000 “ 3,500 “	2 “ 5,000 “ 5,500 “
5 “ 3,500 “ 4,000 “	1 “ 5,500 “ 6,000 “

*Ships Built between 1888-1894.*

LENGTH OVER ALL.

4 ships over 450 and under 500 feet.	4 ships over 550 and under 600 feet.
3 “ 500 “ 550 “	2 “ 600 feet.

GROSS TONNAGE.

6 ships over 8,000 and under 9,000 tons.	2 ships over 10,000 and under 11,000 tons.
2 “ 9,000 “ 10,000 “	2 ships very nearly 13,000 tons.

The following ships are each over 550 feet long and over 8,000 tons burthen, and are now running to the Port of New York :—

1. City of Rome.....560 feet, 8,144 tons.	5. Teutonic .....582 feet, 9,952 tons.
2. New York.....580 “ 10,803 “	6. Campania .....625 “ 12,950 “
3. Majestic .....582 “ 9,861 “	7. Lucania.....625 “ 12,952 “
4. Paris.....580 “ 10,795 “	

*“ Ocean Greyhounds ” over 500 Feet in Length, Arranged Chronologically.*

NAME.	COMPANY.	DATE.	LENGTH OVER ALL.	REGISTERED BREADTH.	GROSS TONNAGE.
			Feet.	Feet.	
Berlin.....	American Line.....	1874	520	44.2	5,526
Alaska.....	Guion Line.....	1881	520	50.6	6,932
City of Rome.....	Anchor Line.....	1881	560	52	8,144
Servia.....	Cunard Line.....	1881	530	52.1	7,392
Etruria.....	“ .....	1884	518	57.2	8,120

### Transatlantic Steamships.

NAME.	COMPANY	DATE	LENGTH OVER ALL	REGISTERED BREADTH	GROSS TONNAGE.
			Feet.	Feet.	
Umbra .....	Cunard Line.....	1884	518	57.2	8,129
La Bourgoyne .....	Compagnie Generale Transatlan- tique .....	1886	508	52.3	7,428
La Bretagne .....	Compagnie Generale Transatlan- tique .....	1886	508	52	7,150
La Champagne. ....	Compagnie Generale Transatlan- tique .....	1886	508	52	7,125
La Gascogne. ....	Compagnie Generale Transatlan- tique .....	1886	508	52.3	7,428
New York .....	American Line .....	1888	580	63.4	10,803
Majestic .....	White Star Line .....	1889	582	57.8	9,861
Normannia .....	Hamburg-American Line....	1889	580	57.40	8,716
Paris .....	American Line .....	1889	580	63.4	10,795
Teutonic .....	White Star Line .....	1889	582	57.8	9,952
La Touraine ....	Compagnie Generale Transatlan- tique .....	1890	522	56	8,740
Fuerst Bismarck ....	Hamburg-American Line....	1891	523	55.66	8,874
Campania .....	Cunard Line .....	1892	625	65.2	12,950
Lucania .....	" .....	1893	625	65.2	12,952

*Table Showing Increase in Size of Transatlantic Steamships, 1874-1894.*

[illegible]

## Transatlantic Steamships.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVER ALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
<i>Cunard Line.</i>							
Bothnia .....	1874	422.3	42.2	34.5	.....	4,535	600
Scythia .....	1874	420.8	42.3	34.6	.....	4,557	600
Gallia .....	1878	430.1	44.6	34.5	450.1	4,809	700
Servia.....	1881	515	52.1	37	530	7,392	1,000
Aurania .....	1882	470	57.2	37.2	484	7,269	950
Umbria .....	1884	501.6	57.2	38.2	518	8,129	500
Etruria.....	1884	501.6	57.2	38.2	518	8,120	500
Campania .....	1892	601	65.2	37.8	625	12,950	5,000
Lucania.....	1893	601	65.2	37.8	625	12,952	5,000
<i>Compagnie Generale Trans- atlantique.</i>							Indi- cated.
Olive Rodrigue.....	1874	.....	.....	.....	.....	3,181	1,700
Saint Simon .....	1874	352.9	39.2	31.2	.....	3,127	1,700
Ferd. de Lesseps... ..	1874	350	38.3	27.8	.....	2,877	1,800
Labrador.....	{ 1805 } 1875 }	394.9	44	36.5	.....	4,460	3,300
La Navarre .....	.....	.....	.....	.....	.....	6,500	7,000
La Normandie.....	1882	459	50	37	...	6,357	6,500
La Gascogne .....	1886	480	52.3	34.1	508	7,428	9,000
La Bourgoyne .....	1886	480	52.3	34.1	508	7,428	9,000
La Bretagne.....	1886	482.5	52	37.8	508	7,150	9,000
La Champagne .....	1886	482.5	52	32.8	508	7,125	9,000
La Touraine.....	1890	520	56	34.6	522	8,740	12,000
<i>Red Star Line.</i>							
Pennland.....	1870	361.2	41.1	26	380	3,760	.....
Switzerland.....	1874	329.4	38.6	30.5	...	2,816	.....
Belgenland .....	1878	402.8	40.2	33	423	3,692	600
Rhynland .....	1879	402.8	40.2	33	423	3,692	600
Noordland.....	1883	400	47.2	35.2	420	5,212	500
Westerland.....	1883	440	47.2	35.2	460	5,736	700
Friesland .....	1889	405	51.3	38	440	7,116	800
<i>North German Lloyd.*</i>							
Braunschweig.....	1873	351.16	38.99	30.86	365	3,066	2,200
Hohenstauffen.....	1874	351.16	38.99	31.85	365	3,090	2,200

\* In course of construction.—Two ships of 6,500 tonnage.

Transatlantic Steamships.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
.....	1881	419.83	44.99	34.99	440	4,510	5,600
.....	1882	429.88	45.74	34.99	430	5,109	6,300
.....	1884	429.88	46.32	34.70	450	5,200	.....
.....	1886	438	47.81	34.82	458	5,380	7,500
.....	1887	447.88	48.82	34.62	468	5,097	8,800
Wilhelm II.....	1889	449.36	59.97	35.49	470	6,990	6,500
.....	1890	462.87	51.87	34.14	483.36	6,993	12,500
<i>Hamburg-American Line.</i>							
.....	1874	375	40	32	390	3,460	.....
.....	1875	374.71	40.08	32.57	390	3,504.23	3,000
.....	1881	350.30	40.67	30.18	366	3,422.91	1,600
.....	1882	351.62	42.90	28.73	370	3,467.07	2,600
.....	1883	362.11	40.80	30.04	380	3,678.01	2,000
.....	1883	351.32	42.87	29.06	371	3,553.12	2,200
.....	1889	459.36	55.96	38.47	480	7,578	12,500
.....	1889	372.77	43.30	30.21	393	4,389.52	3,000
.....	1889	344.88	43.46	29.49	365	3,721.82	2,000
.....	1889	372.93	41.94	30.18	393	4,187.81	3,000
.....	1889	499.61	57.40	34.47	520	8,715.59	16,000
.....	1889	460.84	54.45	33.70	480	7,661.03	12,500
.....	1891	514.20	55.66	34.08	523	8,874.24	16,000
<i>Guion Line.</i>							
.....	1879	464	46	37	484	5,164	.....
.....	1881	500	50.6	38	520	6,932	1,800
<i>State and Allen Line.*</i>							
.....	1880	385	43	34	405	4,000	650
.....	1880	385	46	29.7	405	4,275	.....
<i>Anchor Line.</i>							
.....	1872	361.5	40.5	31.6	...	3,410	480
.....	1880	445	44.5	34.5	...	5,495	600
.....	1881	546	52	37	560	8,144	1,500

\* Ships of this Line run from about 395 to about 405 feet in length.



## Transatlantic Steamships.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
<i>Netherlands A. S. N. Co.</i>					Approximate.		
Maasdam.....	1871	420	40.9	31	440	3,707	600
Veendam.....	1871	420	40.9	31	440	3,707	600
P. Caland.....	1874	350.1	38.1	27.5	370	2,584	....
Rotterdam.....	1878	390	38.6	28.6	410	3,329	....
Amsterdam.....	1879	410.3	39	28.9	430	3,563	....
Spaarndam.....	1881	430.2	42.2	31.5	450	4,368	500
Zaandam.....	1882	311	39.4	30	330	3,068	300
Edam.....	1883	330	39	28	350	3,130	350
Didam.....	1891	332.2	39.9	22.6	350	2,751	450
Dubledam.....	1891	329.1	40.3	22.4	350	2,700	450

## Coastwise Steamers.

## COASTWISE STEAMERS AND SHIPS TRADING WITH THE WEST INDIES AND THE SPANISH MAIN, 1865—1894.

## SUMMARY.

*Ships Built between 1865 and 1874.*

## LENGTH OVER ALL.

6 ships over 200 and under 250 feet.	4 ships over 300 and under 350 feet.
10    "    250    "    300    "	

## GROSS TONNAGE.

6 ships over 1,000 and under 1,500 tons.	2 ships over 2,000 and under 2,500 tons.
10    "    1,500    "    2,000    "	2    "    2,500    "    3,000    "

*Ships Built between 1884 and 1894.*

## LENGTH OVER ALL.

4 ships over 200 and under 250 feet.	4 ships over 350 and under 400 feet.
10    "    250    "    300    "	*5    "    400 feet.
18    "    300    "    350    "	

## GROSS TONNAGE.

1 ships over 500 and under 1,000 tons.	5 ships over 3,000 and under 3,500 tons.
3    "    1,000    "    1,500    "	8    "    3,500    "    4,000    "
3    "    2,000    "    2,500    "	2    "    4,000    "    4,500    "
14    "    2,500    "    3,000    "	5    "    4,500    "    5,000    "

\* These ships are 406 feet in length.

Coastwise Steamers.

stwise and South American Steamers, 350 Feet and Over in Length, Arranged Chronologically.

NAME.	COMPANY.	DATE.	LENGTH OVER ALL.	REGISTERED BREADTH.	GROSS TONNAGE.
			Feet.	Feet.	
Para .....	Pacific Mail.....	1878	368	38.6	3,532
or .....	Southern Pacific Line.....	1882	351	42.5	3,264
.....	Mallory Line.....	1883	350	40.5	2,943
sos.....	" .....	1883	350	40.5	2,943
do .....	Southern Pacific Line .....	1884	351	42.5	3,531
o.....	" .....	1884	351	42.5	3,531
nte.....	" .....	1886	351	42.5	3,531
i.....	Mallory Line .....	1887	350	44.2	3,367
r.....	Southern Pacific Line .....	1889	351	42.5	3,531
.....	" .....	1890	405	48	4,523
o.....	Ward Line .....	1891	350	47	3,724
te.....	Southern Pacific Line .....	1892	406	48	4,659
.....	" .....	1892	406	48	4,659
.....	" .....	1893	406	48	4,606
.....,.....	" .....	1893	406	48	4,659

wise Steamers and Ships Trading with the West Indies and the Spanish Main, 1865-1894.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
<i>Atlas Line.</i>							
.....	1865	294.2	32.4	27.1	318.2	1,711	.....
.....	1865	295.9	32.4	19.3	315	1,725	.....
i.....	1870	274.2	32.9	24.2	294	1,741	185
.....	1877	290.6	34.2	23.9	303.6	2,061	300
.....	1878	193.4	26.2	15.9	203	544	90
.....	1878	170.3	25.1	10.9	180	462	75
.....	1879	292	35.2	23.2	302	1,944	.....
.....	1879	291.9	34.5	24.1	302	2,009	.....
.....	1880	291.5	36.3	23.8	320	2,293	.....
ndack.....	1888	290.4	37	24.5	300	2,167	275
.....	1889	212.5	29.1	12	222	772	120
el.....	1872	.....	28.2	21.1	250	1,134	135

## Coastwise Steamers.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
Clyde Steamship Company.							
G. W. Clyde .....	1872	230	35	19.6	264	1,849	.....
Yemassee .....	1878	226	32	20.4	246	1,880	.....
Delaware .....	1880	249.6	37	17.8	264.6	1,646	.....
Croatan .....	1881	201.6	32.1	19.5	211	1,024	.. ..
Ozamia .....	1881	210	30.5	15.8	230	1,028	..
Saginaw .....	1883	238	34.3	24.1	254.6	1,835	170
Cherokee .....	1886	269	43	20.6	282	2,557	..
Seminole .....	1886	269	43	20.6	282	2,557	..
Algonquin .....	1890	276	43	19	292	2,839	.. ..
Pawnee .....	1890	203.2	38	19.5	227	1,210	....
Iroquois .....	1888	280	46	22.5	292	1,244	.....
Compania Transatlantica Espanola.							
Cuidal Coodal .....	1872	.....	38.2	24.2	316.5	2,576	.....
Habana .....	1872	.....	38.2	28.5	316	2,592	.....
Panama .....	1875	.....	34.2	24.9	334.56	2,085	100
Mexico .....	1876	.....	34.3	24.9	334.56	2,101	100
Cromwell Line							
New Orleans .....	1872	249	33	24.4	270	1,564	..
Knickerbocker .....	1873	256	33.6	22.6	280	1,642	..
Hudson .....	1874	.....	34	25	300	1,873	.....
Louisiana .....	1879	320	39	18.5	349	2,840	..
Mallory Line							
Carondelet .....	1873	241	35.5	21	236	1,508	..
State of Texas .....	1873	248	36	22	260	1,736	.....
Rio Grande .....	1876	308	39.1	21.7	330	2,566	.....
Colorado .....	1879	306	39.6	21.6	328	2,765	.. ..
San Marcos .....	1881	317.8	39.5	21.4	340	2,839	..
Alamo .....	1883	329	40.5	21.5	350	2,943	..
Lampasas .....	1883	329	40.5	21.5	350	2,943	.....
Cimol .....	1885	320	42.8	21.5	342	2,934	..
Nueces .....	1887	328	44.2	21.2	350	3,367	..
Leona .....	1889	314	46.2	20.3	336	3,329	..

## Coastwise Steamers.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
<i>Metropolitan Line</i>							
Gen Whitney.....	1873	225	40	18	240	1,849	....
H T Dimock ..	1884	276.9	41.6	29.9	291.16	2,626	.....
Herman Winter. ....	1886	276.9	41.6	29.9	291.16	2,626	.....
H M Whitney ..	1890	271.8	43	29.20	291.16	2,707	..
<i>Old Dominion Line.</i>							
Wyanoke. ....	1870	238	40	23.6	245	2,068	..
Old Dominion.....	1872	250	41.8	20.6	265	2,223	.
Richmond.....	1872	205	33	21.5	215	1,438	.....
City of Columbia ..	1880	266	38.7	21.5	275	1,878	.....
Cyandotte.....	1882	267	40.5	24.4	275	2,351	..
Roanoke ...	1882	265	40	26.9	275	2,354	....
Jamestown ..	1894	299.5	40	26	320	2,898	.
Yorktown ..	1894	299.5	40	26	320	.	.
<i>Ocean Steamship Company.</i>							
San Jacinto. ....	1860	207	33	22	220	1,245	.....
Chattahoochee ..	1880	280	40.7	24	310.6	2,669	..
City of Augusta ..	1880	.....	40	25.9	320.7	2,870	.
Nacoochee ..	1882	290	40	25.9	310.6	2,680	..
Tallahassee ..	1882	280	40.7	24.1	310.6	2,677	..
City of Birmingham ..	1888	321	42.5	26.9	321	3,066	....
Kansas City.....	1889	327	45	27.6	349	3,679	....
<i>Pacific Mail.</i>							
City of Para ..	1878	345	38.6	28.3	368	3,532	....
Newport ..	1880	326	38.2	23.9	346	2,735	.
Colombia ..	1892	326	45	27	345	3,617	..
<i>Quebec Steamship Company</i>							
Bermuda ....	1874	.....	29.2	20	233	1,284	Indi- cated. 750
Muriel ..	1872	250	30	20	290.4	1,239	625
Madiana.....	1876	.....	39	29	144.7	3,080	1,915
Caribbee ..	1878	..	34.2	24	301.4	1,944	2,250
Orinoco ..	1881	.	34.6	25.5	270.3	1,864	1,200
Fontabelle..	1882	.	38.8	25.6	330	..	2,000
Trinidad ..	1884	270	37	28	310	2,161	2,500

## Coastwise Steamers.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORS POWE
		Length.	Breadth.	Depth.			
<i>Red "D" Line.</i>							
Valencia.....	1882	252.7	34	19.7	270	1,598	....
Philadelphia. ....	1885	300	35	26	309.6	2,520	.....
Caracas .....	1889	283.6	40.2	20.5	304.7	2,524	.....
Venezuela .....	1889	303.6	40.2	27.9	324.7	2,843	....
Maracaibo. ....	1889	231	43	13.6	246	1,262	.....
Hollinside. ....	1890	225.2	31.5	13.7	240	1,091	.....
<i>Southern Pacific Line.</i>							
Hutchinson. ....	1870	252	35	18	267	1,425	.....
New York.....	1875	275	38.7	22.30	290	2,310	.....
Algiers.....	1876	275	38.7	22.30	290	2,287	.....
Morgan City .....	1876	275	38.7	22.30	290	2,300	.....
Aransas. ....	1877	240	35.6	18.6	255	1,157	.....
Chalmette.....	1879	320	42	31	338.5	2,983	.....
Excelsior.....	1882	331	42.5	22.5	351	3,264	.....
El Dorado.....	1884	331	42.5	22.5	351	3,531	.....
El Paso.....	1884	331	42.5	22.5	351	3,531	.....
El Monte....	1886	331	42.5	22.5	351	3,531	.....
Mineola .....	1887	284	37.9	27.9	295	2,438	.....
El Mar.....	1889	331	42.5	22.5	351	3,531	.....
El Norte.....	1892	380.5	48	23.2	406	4,659	.....
El Sud .....	1892	380.5	48	23.9	406	4,659	.....
El Rio.....	1893	380	48	23.9	406	4,659	.....
El Cid .....	1893	380	48	23.9	406	4,666	.....
El Sol.....	1890	390.6	48	23.9	405	4,523	.....
<i>Ward Line.</i>							
City of Washington.....	1877	300	38	27	320	2,683	.....
Niagara .....	1877	294	38	23	292	2,265	.....
Saratoga .....	1878	298	38.6	23.5	318.5	2,520	.....
City of Alexandria.....	1879	307	38.5	26.3	.....	2,914	.....
Santiago.....	1879	270	38.6	21.3	290.75	2,359	.....
Cienfuegos .....	1883	292	39.8	22.3	311.25	2,332	.....
Seneca .....	1884	271.5	42	25.2	296	2,709	.....
Orizaba .....	1890	336.2	43.2	22	341	3,497	.....
Yucatan.....	1890	336.2	43.2	22.3	341	3,525	.....

Coastwise Steamers.

NAME.	DATE.	REGISTERED DIMENSIONS.			LENGTH OVERALL.	GROSS TONNAGE.	HORSE POWER.
		Length.	Breadth.	Depth.			
.....	1890	336.2	43.2	22.3	341	3,497	.....
a.....	1890	321.8	45.3	17.9	343	4,115	.....
L.....	1890	321.18	45.2	16.5	343	4,115	.....
.....	1891	329.5	47	21.2	350	3,724	.....
<i>tates and Brazil Steamship Co.</i>							
.....	1883	295	38.4	23.4	315	2,605	.....
.....	1883	300	38.4	23.6	320	2,603	.....
.....	1886	303	42	23.9	323	2,985	.....



APPORTIONMENT

OF

AUDITED DISBURSEMENTS

FOR THE YEAR ENDING APRIL 30, 1894.





DEPARTMENT OF DOCKS, PIER "A," BATTERY, }  
NEW YORK, N. Y., May 1, 1894. }

*To the Board of Docks:*

GENTLEMEN—The following "Apportionment of the Audited Disbursement of the Department for the year ending April 30, 1894," is respectfully submitted, viz.:

**ON CONSTRUCTION ACCOUNT—NEW PLAN—PERMANENT WORK.**

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Cedar Street Section.				
(Resolutions, November 29, 1893.)				
General Charges.				
Removing old work.....	\$129 42	.....	\$129 42	\$129 42
West Washington Market Section.				
(Resolutions, February 6, 1889, and July 9, 1891.)				
Bulkhead-wall Proper.				
Stone-filling.....	.....	\$937 33	\$937 33	4,252
Piling and woodwork.....	\$23 70	.....	23 70	
Masonry.....	249 38	3,041 77	3,291 15	
General Charges.				
Removing old work.....	\$49 25	.....	\$49 25	118 85
Reclaimed land rear of the bulkhead-wall.....	22 11	\$6 00	28 11	
Temporary plank approach to Pier, new 15, N. R.....	4 50	.....	4 50	
Temporary fences.....	18 00	3 60	21 60	
Levels on and examination of the bulkhead-wall.....	15 39	.....	15 39	
Pier, new 14, N. R.				
(Resolution, April 28, 1892.)				
Widening Pier—				
Removing rock bottom at sides of pier.....	\$17,444 62	\$22,721 52	\$40,166 14	49,545 65
Stone-filling.....	4 15	140 08	144 23	
Crib at outer end.....	484 18	2,472 23	2,956 41	
Piling and woodwork.....	3,167 02	1,698 65	4,865 67	
Selecting timber in basin and delivering at work....	54 90	32 38	87 28	
Shed foundation, Secretary's Order No. 12018.....	.....	1,325 92	1,325 92	
Warren Street Section.				
(Resolution, May 25, 1893.)				
Bulkhead-wall Proper.				
Dredging.....	\$268 93	\$6,753 85	\$7,022 78	
Stone-filling, cobbles.....	93 17	2,625 65	2,718 82	

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Stone-filling, rip-rap.....	\$138 00	\$2,407 34	\$2,545 34	
Vertical piles.....	2,214 61	1,296 37	3,510 98	
Bracing piles.....	411 99	.....	411 99	
Binding frames.....	1,003 14	180 64	1,183 78	
Sawing piles.....	102 20	9 24	111 44	
Longitudinal capping.....	34 41	88 39	122 80	
Transverse capping.....	10 17	2 00	12 17	
Concrete blocks in place.....	12 93	.....	12 93	
Granite facing.....	88 23	.....	88 23	\$17,741 21
<i>General Charges.</i>				
Examination of river bottom.....	\$12 00	.....	\$12 00	
Removing old work.....	97 52	\$1,758 50	1,856 02	
Water connection.....	1 75	15	1 90	
Temporary tool-house.....	.....	1 10	1 10	1,871 02
<i>Pier, new 19, N. R.</i>				
<i>Resolution, June 1, 1893.</i>				
Dredging.....	\$261 95	\$9,419 21	\$9,681 16	
Stone-filling.....	176 62	1,089 11	1,265 73	
Piling and woodwork.....	17,361 92	23,349 12	40,711 04	
Selecting timber in basin and delivering at work.....	935 48	51 77	987 25	52,645 18
<i>Chambers Street Section.</i>				
<i>(Resolutions, November 24, 1877, and November 21, 1878.)</i>				
<i>Bulkhead-wall Proper.</i>				
Masonry.....	\$6 00	\$1,046 76	\$1,052 76	1,052 76
<i>Jay Street Section.</i>				
<i>(Resolutions, September 18, 1891, and January 30, 1892.)</i>				
<i>Bulkhead-wall Proper.</i>				
Stone-filling.....	.....	\$1,186 84	\$1,186 84	
Piling and woodwork.....	.....	15 19	15 19	
Masonry.....	\$468 52	2,669 69	3,138 21	4,340 24
<i>General Charges.</i>				
Reclaimed land rear of the bulkhead-wall.....	\$281 67	.....	\$281 67	
Temporary fence and tool-house.....	15 00	.....	15 00	296 67

## On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<i>Pier, new 22, N. R.</i>				
<i>(Resolution, April 20, 1893.)</i>				
Examination of river bottom .....	\$10 83	.....	\$10 83	
Stone-filling .....	53 60	\$1,468 65	1,522 25	
Piling and woodwork .....	22,808 95	40,783 96	63,592 91	
Selecting timber in basin and delivering at work .....	1,122 00	78 77	1,200 77	\$66,326 76
<b>Franklin Street Section.</b>				
<i>(Resolutions, October 6, 1877, and November 13, 1890.)</i>				
<i>Bulkhead-wall Proper.</i>				
Stone-filling .....	.....	\$121 50	\$121 50	
Masonry .....	\$6 00	201 62	207 62	329 12
<i>General Charges.</i>				
Removing old work .....	\$11 27	.....	\$11 27	
Reclaimed land rear of the bulkhead-wall. ....	10 75	.....	10 75	
Temporary plank approach to Pier, new 23, N. R. ....	3 60	.....	3 60	25 62
<b>North Moore Street Section.</b>				
<i>(Resolution, April 28, 1880.)</i>				
<i>General Charges.</i>				
Temporary paved approach to Pier, new 25, N. R. ....	\$171 23	\$62 68	\$233 91	233 91
<b>Laight Street Section.</b>				
<i>(Resolutions, July 30, and November 3, 1880, and September 20, 1889.)</i>				
<i>Bulkhead-wall Proper.</i>				
Masonry ... ..	\$280 97	\$9 99	\$290 96	290 96
<i>General Charges.</i>				
Reclaimed land rear of the bulkhead-wall.....	\$97 85	\$7 50	\$105 35	
Temporary plank approach to Pier, new 29, N. R. ....	59 70	.....	59 70	
Temporary fences.....	132 60	.. . . .	132 60	
Sewers. ....	24 08	.....	24 08	321 73
<b>Canal Street Section.</b>				
<i>(Resolutions, June 13, 1872, and December 10, 1891.)</i>				
<i>Bulkhead-wall Proper.</i>				
Dredging .....	.....	\$644 00	\$644 00	
Stone-filling. ....	\$72 01	955 41	1,027 42	
Piling and woodwork .....	146 20	64 19	210 39	
Masonry .....	3,618 94	5,194 54	8,813 48	10,695 92

## On Construction Account.

	PAY-ROLL.	BILLS.	TOTALS.	TOTALS.
<i>General Charges.</i>				
Removing old work. ....	\$808 47	\$30 04	\$838 51	
Reclaimed land rear of the bulkhead-wall. ....	325 17	79	325 96	
Sewers. ....	3,099 15	1,049 17	5,048 32	
Shifting, temporarily, the Street Cleaning Depart- ment's dump, and maintaining same. ....	2,166 00	2,589 22	4,755 22	
Temporary fences. ....	28 30	7 20	35 50	
Paving portion of West street, near foot of Canal street	5 20	414 20	420 00	\$11,603 71
<b>West Twenty-third Street Section (south end).</b>				
<i>(Resolution, November 5, 1880.)</i>				
<i>Bulkhead-wall Proper.</i>				
Dredging. ....		\$154 40	\$154 40	
Stone-filling. ....	\$1,746 27	12,134 11	13,880 38	
Piling and woodwork. ....	10,454 54	7,706 83	18,161 37	
Masonry. ....	16,513 75	17,492 42	34,006 17	66,208 62
<i>General Charges.</i>				
Removing old work. ....	\$1,124 85	90 60	\$1,215 45	
Removing, temporarily, and replacing ferry rack. ....	843 23	77 54	920 77	
Boat landing in the bulkhead-wall. ....	2,571 08	390 51	2,961 59	
Reclaimed land rear of the bulkhead-wall. ....	2,125 43	6 68	2,132 11	
Temporary paved approach to Pier, new 54, N. R. ....	227 73	9 99	237 72	
Temporary plank approach to Pier, new 55, N. R. ....	124 25	30 53	154 78	
Temporary plank approach to Pier, new 56, N. R. ....	13 00	.....	13 00	
Temporary plank approach to Pier, new 57, N. R. ....	368 47	84 27	452 74	
Raising inner end of Pier, new 57, N. R. ....	469 53	18 00	487 53	
Sewers. ....	172 27	62 66	234 93	
Water connection. ....	5 60	.....	5 60	
Levels on and examination of the bulkhead-wall. ....	82 35	.....	82 35	8,868 99
<i>Pier, new 53, N. R.</i>				
<i>(Resolution, February 1, 1894.)</i>				
Dredging. ....	\$200 41	\$943 31	\$1,143 72	
Pier proper. ....	3,924 49	1,859 12	5,783 61	
Selecting timber in basin, and delivering at work. ....	231 45	20 35	251 80	
Sewer through pier. ....	281 17	.....	281 17	
Removing, temporarily, and replacing ferry rack. ....	1,450 08	66 82	1,516 90	8,977 20
<b>West Twenty-third Street Section (north end).</b>				
<i>(Resolution, June 28, 1882.)</i>				
<i>Bulkhead-wall Proper.</i>				
Masonry. ....	\$1,887 97	\$1,292 05	\$3,180 02	3,180 02

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<i>General Charges.</i>				
Removing temporary work rear of the bulkhead-wall..	\$1,636 97	\$3 26	\$1,640 23	
Reclaimed land rear of the bulkhead-wall.....	544 62	.....	544 62	
Raising sewer foot West Thirtieth street.....	204 98	.....	204 98	
Temporary plank approach to Pier, new 59, N. R.....	34 60	16 97	51 57	
Temporary paved approach between Piers, new 59 and { new 60, N. R.....	145 37	908 28	1,053 65	
Temporary paved approach to Pier, new 60, N. R.....	406 00	.....	406 00	
Raising inner end of Pier, new 58, N. R.....	71 87	.....	71 87	
Raising inner end of Pier, new 59, N. R.....	39 95	.....	39 95	
Levels on and examination of the bulkhead-wall.....	45 08	.....	45 08	
				\$4,057 95
West Thirty-first Street Section.				
(Resolutions, August 8 and September 19, 1883.)				
<i>Bulkhead-wall Proper.</i>				
Masonry .....	\$10 30	.....	\$10 30	
				10 30
West Thirty-second Street Section.				
(Resolution, October 22, 1885.)				
<i>Bulkhead-wall Proper.</i>				
Masonry.....	\$206 40	.....	\$206 40	
				206 40
West Forty-third Street Section.				
(Resolution, September 3, 1891.)				
<i>Bulkhead-wall Proper.</i>				
Stone-filling .....	\$41 61	\$508 64	\$550 25	
Piling and woodwork .....	42 21	1,086 39	1,128 60	
Masonry .....	4,783 58	8,775 16	13,558 74	
				15,237 59
<i>General Charges.</i>				
Removing old work.....	\$131 30	.....	\$1 1 30	
Reclaimed land rear of the bulkhead-wall.....	2,707 07	\$210 71	2,917 78	
Replacing inner end of Pier, new 74, N. R.....	1,649 04	2,190 95	3,839 99	
Levels on and examination of the bulkhead-wall.....	67 11	.....	67 11	
Temporary plank approach to Pier, new 74, N. R.....	552 71	641 64	1,194 35	
Sewers .....	355 88	187 59	543 47	
Water connection....	15 05	.....	15 05	
				8,709 05
West Fifty-second Street Section.				
(Resolutions, October 6, 1887, and February 6, 1889.)				
<i>Bulkhead-wall Proper—South End.</i>				
Masonry .....	.....	\$52 23	\$52 23	
				52 23

## On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.	
<i>Bulkhead-wall Proper—North End.</i>					
Dredging .....	\$325 54	\$13,078 64	\$13,404 18	\$86,537 38	
Stone-filling .....	237 21	2,212 51	2,449 72		
Masonry .....	33,564 87	37,118 61	70,683 48		
<i>General Charges.</i>					
Removing old work.....	\$1,598 40	\$12 34	\$1,610 74	10,197 34	
Dredging in slip west of the bulkhead area .....	81 53	1,170 55	1,252 08		
Reclaimed land rear of the bulkhead-wall.....	5,092 83	4 13	5,096 96		
Temporary plank approach to Pier, new 82, N. R. ....	.....	48 30	48 30		
Temporary paved approach to Pier, new 84, N. R.....	168 01	61 82	229 83		
Temporary plank approach to Pier, new 85, N. R.....	537 17	98 79	635 96		
Temporary paved approach to Pier, new 85, N. R.....	339 49	837 73	1,177 22		
Water connection.....	27 90	11 86	39 76		
Sewers .....	97 94	8 55	106 49		
<i>Pier, new 84, N. R.</i>					
<i>(Resolution, October 19, 1893.)</i>					
Specifications, under Secretary's Order No. 13116.....	\$312 59	\$98 62	\$411 21	43,147 94	
Dredging .....	192 54	2,048 16	2,240 70		
Stone-filling .....	10 61	541 97	552 58		
Piling and woodwork .....	12,286 89	23,634 24	35,921 13		
Selecting timber in basin and delivering at work.....	972 05	120 18	1,092 23		
Sewer through pier.....	1,915 12	1,014 97	2,930 09		
<i>West Fifty-seventh Street Section.</i>					
<i>(Resolutions, December 20, 1888, and August 1, 1889.)</i>					
<i>Bulkhead-wall Proper.</i>					
Piling and woodwork .....	.....	\$583 98	\$583 98	2,209 52	
Masonry .....	.....	1,625 54	1,625 54		
<i>General Charges.</i>					
Reclaimed land rear of the bulkhead-wall.....	\$220 00	.....	\$220 00	1,950 07	
Temporary plank approach to Pier, new 86, N. R.....	409 20	\$4 52	413 72		
Temporary paved approach to Pier, new 86, N. R.....	616 28	700 07	1,316 35		
<i>Paving Marginal Street west of West Street.</i>					
<i>Between Duane and Franklin Streets.</i>					
<i>Under Contract No. 452—</i>					
Specifications .....	\$7 54	\$153 50	\$161 04	36,749 03	
Inspection .....	802 99	.....	802 99		
Payments .....	.....	35,785 00	35,785 00		

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Under Resolution of August 3, 1893.....	\$2,416 14	\$1 75	\$2,417 89	\$2,417 89
<i>Between Dey and Barclay Streets.</i>				
Under Contract No. 447—				
Specifications.....		\$99 16	\$99 16	
Inspection .....	468 03	4c 00	508 03	
Payments .....		18,672 40	18,672 40	
Under Resolution of August 3, 1893 .....	1,626 04	1 40	1,627 44	20,907 03
<i>Between Franklin and Vestry Streets.</i>				
Under Resolution of November 29, 1893 .....	\$1,355 83	\$64 74	\$1,420 57	1,420 57
<i>Near foot of Canal Street.</i>				
Under Resolution of October 12, 1893 .....	\$2,323 63	\$104 71	\$2,428 34	
Under Treasurer's Order No. 17330 .....	103 68	8,300 00	8,403 68	10,832 02
Paving Marginal Street west of Thirteenth Avenue.				
<i>Between West Twenty-fourth and West Twenty-fifth Streets.</i>				
Under Contract No. 451—				
Specifications.....		\$163 25		
Inspection .....	\$296 84			
Payments .....		5,355 14	\$5,815 23	
Under Resolution of May 11, 1893.....	2,508 20	1,443 32	4,041 52	
Under Resolution of November 29, 1893 .....	2,047 00	2,171 25	4,218 25	14,075 00
Extending Piers to Pierhead-line of 1890.				
<i>Pier, new 36, N. R.</i>				
<i>(Resolution, March 23, 1893.)</i>				
Extension proper .....	\$6,021 21	\$14,253 36	\$20,274 57	
Selecting timber in basin and delivering at work.....	520 90	191 51	712 41	20,986 98
<i>Pier, new 38, N. R.</i>				
<i>(Resolution, May 11, 1893.)</i>				
Removal of old work at outer end.....	\$181 42		\$181 42	
Extension proper, and widening.....	6,671 95	\$13,772 84	20,444 79	
Selecting timber in basin and delivering at work .....	4c7 61	186 05	593 66	
Additional work under Secretary's Order No. 13340 ....	196 76	4 93	201 69	21,421 56
<i>Pier, new 40, N. R.</i>				
<i>(Resolution, October 6, 1892)</i>				
Extension proper .....	\$61 83	\$674 65	\$736 48	736 48



# EXPENDITURE ACCOUNT.

	PAY-ROLLS.	BILLS.	TOTALS.	Balance
<i>Pier, new 42, N. R.</i>				
<i>(Resolution, February 18, 1892.)</i>				
Extension proper .....		\$1,480 00	\$1,480 00	\$1,480 00
<i>Pier, new 43, N. R.</i>				
<i>(Resolution, June 22, 1893.)</i>				
Extension proper .....	\$4,733 31	\$8,398 23	\$13,131 54	
Selecting timber in basin and delivering at work .....	338 00	24 23	436 23	13,567 77
<i>Pier at West Nineteenth Street, N. R.</i>				
<i>(Resolution, April 20, 1894.)</i>				
Extension proper .....	\$283 14	\$63 75	\$346 89	13,914 66
<i>Pier at East Twenty-fourth Street, E. R.</i>				
<i>(Resolution, May 18, 1893.)</i>				
Examination of river bottom .....	\$129 00	\$113 76	\$242 76	
Removing old work from outer end .....	82 48		82 48	
Extension proper .....	14,747 60	31,801 60	46,549 20	
Selecting timber in basin and delivering at work .....	477 15	173 86	651 01	
Temporary tool-house .....		8 00	8 00	47,200 21
<i>Stanton Street Section.</i>				
<i>(Resolution, March 1, 1893.)</i>				
<i>Bulkhead-wall Proper.</i>				
Dredging .....	\$124 90	\$4,016 79	\$4,141 69	
Stone-filling .....	1,084 21	2,878 20	3,962 41	
Piling and woodwork .....	9,164 08	14,148 56	23,312 64	
Masonry .....	11,468 29	27,344 71	38,813 00	67,225 06
<i>General Charges.</i>				
Removing old work .....	\$837 81	\$975 55	\$1,813 36	
Crib-work at north end of section .....	952 47	860 57	1,813 04	
Reclaimed land rear of the bulkhead-wall .....	772 48	47 21	819 69	
Sewer .....	128 28	14 21	142 49	
Replacing inner end of Pier 61, E. R. ....	183 36	167 30	350 66	
Temporary pile and plank approach to Pier 61, E. R. ...	495 25	643 59	1,138 84	
Temporary plank approach to Pier at Stanton street ..	178 96		178 96	
Locating northern boundary of section .....	8 44		8 44	
Temporary tool-house .....	91 73		91 73	
Watching .....	1,275 21		1,275 21	

## On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<i>Pier foot of Stanton Street.</i>				
<i>(Resolution, June 29, 1893.)</i>				
Dredging under Contract No. 439.....	\$100 35	\$5,511 95	\$5,612 30	
Plans and specifications for construction.....	.....	104 60	104 60	
Pier proper.....	10,574 61	18,637 93	29,212 54	
Selecting timber in basin and delivering at work.....	458 53	79 11	537 64	
Sewer through the pier.....	1,177 36	1,742 62	2,919 98	\$38,387 06
<i>Pier at East Eighteenth Street, E. R.</i>				
<i>(Resolution, January 29, 1891.)</i>				
Sewer through the pier.....	\$3 00	\$87 15	\$90 15	90 15
<i>East Twenty-fourth Street Section.</i>				
<i>(Resolutions, April 25, 1889, and June 18, 1891)</i>				
<i>Bulkhead-wall Proper.</i>				
Stone-filling .....	\$121 90	\$158 08	\$279 98	
Piling and woodwork.....	.....	68 00	68 00	
Masonry .....	46 05	1,983 37	2,029 42	2,377 40
<i>General Charges.</i>				
Reclaimed land rear of the bulkhead-wall.....	\$129 73	.....	\$129 73	129 73
<i>Pier at East Twenty-fifth Street.</i>				
<i>(Resolution, September 22, 1892.)</i>				
Dredging.....	\$44 60	\$1,721 25	\$1,765 85	
Pier proper.....	3,150 83	7,442 65	10,593 48	
Selecting timber in basin and delivering at work.....	81 70	.....	81 70	12,441 03
<i>East Twenty-fifth Street Section.</i>				
<i>Resolution, October 27, 1892.)</i>				
<i>Bulkhead-wall Proper.</i>				
Dredging.....	\$390 55	\$7,107 60	\$7,498 15	
Stone-filling .....	268 36	367 91	636 27	
Piling and woodwork.....	6,994 80	6,393 64	13,388 44	
Masonry .....	4,475 09	9,451 57	13,926 66	35,449 52

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<i>General Charges.</i>				
Removing old work.....	\$847 60	\$12 75	\$860 35	
Examination of river bottom.....	26 19	23 75	49 94	
Reclaimed land rear of the bulkhead-wall.....	550 74	.....	550 74	
Temporary embankment rear of bulkhead-wall.....	220 79	96 84	317 63	
Temporary pile and plank approach to Pier at East Twenty-sixth street.....	651 83	56 85	708 68	
Locating northern boundary of Section.....	4 25	.....	4 25	
Sewers .....	30 05	.....	30 05	
Temporary fences.....	69 57	.....	69 57	
Watching.....	349 61	.....	349 61	\$2,940 8
<i>Bellevue Section.</i>				
<i>Resolutions, April 25, 1889, and June 18, 1891.)</i>				
<i>Bulkhead-wall Proper.</i>				
Stone-filling. ....	\$1,069 66	.....	\$1,069 66	
Piling and woodwork.....	1,306 72	\$514 07	1,820 79	
Masonry .....	745 66	1,209 73	1,955 39	4,845 84
<i>General Charges.</i>				
Temporary plank approach to Pier at East Twenty- eighth street.....	\$3 13	\$303 55	\$306 68	
Sewer .....	6 29	.....	6 29	
Locating southern boundary of Section.....	4 26	.....	4 26	317 43
<i>Pier at East Twenty-ninth Street, E. R.</i>				
<i>(Resolution, November 2, 1893.)</i>				
Examination of river bottom.....	\$98 58	\$65 97	\$164 55	
Temporary fence.....	23 30	.....	23 30	
Temporary tool-house.....	93 81	79 88	173 69	
Dredging.....	61 88	.....	61 88	
Pier proper.....	10,825 84	18,862 48	29,688 32	
Selecting timber at basin and delivering at the work ...	349 85	32 90	382 75	
Temporary plank and pile approach to Pier.....	1,017 26	1,949 23	2,066 49	33,460 98
<i>East Fifty-ninth Street Section.</i>				
<i>General Charges.</i>				
Examination of river bottom under resolution, April 25, 1889.....	\$28 74	.....	\$28 74	28 74

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<i>Pier at East Sixtieth Street.</i>				
<i>(Resolution, February 8, 1894.)</i>				
Stone-filling.....	\$87 00	\$2 50	\$91 50	
Pier proper... ..	6 16	.....	6 16	\$97 66
<i>Pier at East Sixty-first Street.</i>				
<i>(Resolution, February 8, 1894.)</i>				
Stone-filling.....	\$8 12	.....	\$8 12	
Pier proper.....	6 16	.....	6 16	14 28
<i>Pier at East Sixty-second Street.</i>				
<i>(Resolution, February 8, 1894.)</i>				
Stone-filling.....	\$8 12	.....	\$8 12	
Pier proper.....	6 16	.....	6 16	
Sewer through pier.....	5 25	.....	5 25	19 53
<i>East Ninety-first Street Section.</i>				
<i>(Resolution, May 25, 1893.)</i>				
<i>Bulkhead-wall Proper.</i>				
Dredging.....	\$413 32	\$7,431 57	\$7,844 89	
Cleaning rock-bottom—Pumping.....	3,216 52	331 22	3 547 74	
“ Tubbing.....	743 90	31 31	775 21	
Concrete in bags.....	1,760 49	960 52	2,721 01	
Concrete in mass.....	275 03	120 44	395 47	
Concrete blocks in place.....	344 52	3,898 88	4,243 40	
Chain holes.....	25 00	17 60	42 60	19,570 32
<i>General Charges.</i>				
Removing old work.....	\$605 73	\$156 53	\$762 26	
Examination of river bottom.....	646 63	84 73	731 36	
Removing wreck from site of wall.....	.....	125 00	125 00	
Water connection.....	17 27	8 28	25 55	
Temporary tool house.....	75 70	78 62	154 32	
Temporary fence.....	7 50	.....	7 50	
Watching.....	52 36	.....	52 36	1,858 35
<i>Pier at East Ninety-first Street.</i>				
<i>(Resolution, May 25, 1893.)</i>				
Examination of river bottom.....	\$7 85	\$57 00	\$64 85	
Dredging.....	19 39	... ..	19 39	
Stone-filling.....	279 83	3,405 32	3,685 15	
Pier proper.....	2,637 98	3,440 44	6,078 42	
Selecting timber in basin and delivering at the work ...	397 35	12 91	410 26	
Temporary timber basin.....	72 10	.....	72 10	10,330 17

Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
East Ninety-fourth Street Section. (Resolutions, April 25, 1889, and June 12, 1891.) Bulkhead-wall Proper.				
Masonry .....		\$3,178 29	\$3,178 29	\$3,178
General Charges.				
Reclaimed land.....	\$185 34	.....	\$185 34	
Temporary plank approach to pier at East Ninety-fifth street.....	201 25	\$50 79	251 64	
Temporary paving rear of the bulkhead wall, under Contract No. 445.....	63 71	2,729 50	2,793 21	
Sewer.....	93 49	14 40	107 89	
Pier at East Ninety-fourth Street, E. R. Construction under Contract No. 430—				
Specifications.....		\$37 50	\$37 50	
Embankment—Payments .....		1,257 64	1,257 64	
Pier Proper—Payments .....		3,940 12	3,940 12	
Timber furnished by the Department.....		7 26	7 26	
East Ninety-sixth Street Section. (Resolution, October 31, 1889). Bulkhead-wall Proper.				
Stone-filling.....	\$ 2 70	\$12 25	\$12 25	\$24
Piling and woodwork.....	111 27	118 83	270	
Masonry .....	2,481 10	5,410 59	7,891	
General Charges.				
Removing old work.....	\$333 77	.....	\$333 77	
Reclaimed land rear of the bulkhead-wall .....	4,886 68	\$16 60	4,903 28	
Watching.....	1,024 81	14 05	1,038 86	
Pier at East Ninety-sixth Street. (Resolution, October 19, 1893).				
Examination of river bottom .....	\$121 12	\$61 46	\$182 58	
Stone filling .....	161 12	2,419 53	2,580 65	
Pier proper.....	6,307 40	13,535 80	19,843 20	
..... in basin and delivering at work.....	64 40	3 32	67 72	
	93 81	100 38	193 19	

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Ninety-ninth Street Section. <i>(Resolution, September 1, 1892.)</i> <i>Bulkhead-wall Proper.</i> .....	\$642 98	\$2,256 89	\$2,899 87	\$29,915 30
..... dwork.....	6,884 95	7,423 38	14,308 33	
.....	4,200 26	8,506 84	12,707 10	
<i>General Charges.</i> work.....	\$19 70	.....	\$19 70	2,431 09
l rear of the bulkhead-wall.....	764 30	\$764 53	1,528 83	
l-house.....	75 70	91 83	167 53	
.....	715 03	.....	715 03	
at East One Hundredth Street. <i>(Resolution, February 1, 1894.)</i> l river bottom.....	\$104 23	\$59 38	\$163 61	10,470 41
.....	31 09	.....	31 09	
.....	4,524 80	5,242 46	9,767 26	
or in basin and delivering at work.....	484 55	23 90	508 45	
undred and Second Street Section. <i>(Res. July 17, 1890, and May 21, 1891.)</i> <i>Bulkhead-wall Proper.</i> .....	\$47 61	.....	\$47 61	56,412 65
.....	2,027 90	\$3,708 41	5,736 31	
dwork.....	1,397 32	2,289 42	3,686 74	
.....	11,582 67	35,359 32	46,941 99	
<i>General Charges:</i> work.....	\$64 55	.....	\$64 55	1,803 30
l rear of the bulkhead-wall.....	664 64	\$16 88	681 52	
lary of section.....	7 59	.....	7 59	
.....	98 49	.....	98 49	
iber basin.....	24 85	.....	24 85	
ard piling.....	29 18	5 38	34 56	
.....	891 74	.....	891 74	
undred and Tenth Street Section. <i>(Res. April 25, 1889, and June 18, 1891.)</i> <i>Bulkhead-wall Proper.</i> .....	\$5 12	.....	\$5 12	5 12

## On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTAL
<i>General Charges.</i>				
Temporary paving rear of the bulkhead-wall, under } Contract No. 445.....	\$290 22	\$4,549 74	\$4,799 96	\$5,049 96
Sewer.....	222 25	20 00	242 25	
 East One Hundred and Twenty-fifth Street. Section.  (Resolution, March 28, 1889.)				
<i>General Charges.</i>				
Reclaimed land rear of the bulkhead-wall.....	\$121 94	.....	\$121 94	2,154 94
Removing rock bottom, and dredging east of the bulk- } head-wall.....	440 03	\$116 23	556 26	
Temporary paving rear of the bulkhead-wall.....	76 82	.....	76 82	
Watching .....	411 40	1 53	412 93	
 Movable Steam Derrick.  Under Contract No. 468—				
Specifications.....	.....	\$95 75	\$95 75	9 75
Total.....	.....	.....	.....	\$2,065 39

## ON CONSTRUCTION ACCOUNT—NEW PLAN—TEMPORARY WORK.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTAL
<b>Pier at Bethune Street, N. R.</b>				
<b>Extending to Pierhead-line of 1890, under Contract No. 419—</b>				
Specifications.....	.....	\$21 00	\$21 00	\$21 00
<b>Pier on Site of Pier, old 42, N. R.</b>				
<b>Dredging under Contract No. 433—</b>				
Specifications.....	.....	\$99 05	\$99 05	967 10
Inspection.....	\$391 22	.....	391 22	
Payments .....	.....	9,183 09	9,183 09	
<b>Construction under Contract No. 434—</b>				
Specifications .....	.....	\$192 95	\$192 95	45,958 84
Inspection. ....	\$1,355 63	.....	1,355 63	
Payments .....	.....	33,472 00	33,472 00	
Timber furnished by Department .....	735 69	9,833 15	10,568 84	

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
at West Fifteenth Street, N. R.				
.....	\$17 92	\$948 80	\$966 72	
n under Contract No. 454—				
ations.....	\$19 93	\$123 25	143 18	
ion .....	816 65	.....	816 65	
its .....	.....	21,765 00	21,765 00	\$23,691 55
at East Thirty-third Street, E. R.				
n under Contract No. 420—				
ations .....	.....	\$25 00	\$25 00	25 00
Total .....	.....	.....	.....	\$79,000 33

ON CONSTRUCTION ACCOUNT—NOT NEW PLAN.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
head from a point about 100 feet north est Ninety-seventh Street to a point 29 feet 6 inches north of West Ninety- Street, N. R.				
land rear of crib, Secretary's Order No. 12533	\$53 67	.....	\$53 67	
“ “ 12804	737 70	\$11 14	748 84	
“ “ 12921	3,377 33	25 66	3,402 99	\$4,205 50
est One Hundred and Twenty-eighth Street, N. R.				
n under Contract No. —				
ations.....	.....	\$78 13	\$78 13	78 13
head between West One Hundred and ty-ninth and West One Hundred and ieth Streets, N. R.				
n under Contract No. 427—				
ations.....	.....	\$83 00	\$83 00	
ng—Payments .....	.....	176 64	176 64	
nspection .....	\$102 02	.....	102 02	
Payments .....	.....	4,440 00	4,440 00	
ng along face of crib.....	33 91	101 00	134 91	
land rear of crib, Secretary's Order No. 13395	247 32	.....	247 32	5,183 89



## On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<b>Temporary Paving between West One Hundred and Thirty-first and West One Hundred and Thirty-third Streets, N. R.</b>				
<b>Under Contract No. 444—</b>				
Specifications.....	.....	\$120 25	\$120 25	
Inspection.....	\$140 68	.....	140 68	
Payments .....	.....	4,500 00	4,500 00	\$4,760 9
<b>Crib-bulkhead, East One Hundred and Thirty-eighth to East One Hundred and Fortieth Street, H. R.</b>				
Reclaiming land rear of crib, Secretary's Order No. 11226	\$3,468 58	\$14 29	\$3,482 87	
Temporary paved approach along easterly side of } Madison avenue.....	34 72	975 00	1,009 72	4,492
<b>For Department of Public Charities and Correction.</b>				
<i>Boat Landing, East One Hundred and Twenty-fifth Street, H. R.</i>				
Construction under Secretary's Order No. 13355 .....	\$142 69	\$203 20	\$344 89	344
<i>Crib-bulkhead at Storehouse, Blackwell's Island.</i>				
<b>Construction under Contract No. 442—</b>				
Specifications.....	.....	\$143 70	\$143 70	
Dredging .....	\$37 29	1,011 00	1,048 29	
Crib .....	458 86	11,000 00	11,458 86	
Boat landing.....	35 92	740 00	775 92	13,436 77
<b>For Department of Street Cleaning.</b>				
<i>Dump Board foot Canal Street.</i>				
<b>Construction under Contract No. 459—</b>				
Specifications.....	.....	\$125 58	\$125 58	
Preparatory work on south side.....	\$221 47	.....	221 47	
Inspection .....	210 23	29 00	239 23	
Payments .....	.....	4,175 00	4,175 00	
Additional work, Secretary's Order No. 13556.....	68 00	63 84	131 84	4,893 12
<i>Dump Board on Pier 61, E. R.</i>				
<b>Construction under Contract No 422—</b>				
Specifications .....	.....	\$14 85	\$14 85	14 8

On Construction Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
For Health Department.				
<i>Riker's Island.</i>				
Rip-rap embankment under Contract No. 450—				
Specifications.....	.....	\$104 00	\$104 00	\$104 00
Crib-bulkhead under Contract No. 449—				
Specifications.....	\$94 36	\$261 50	\$355 86	
Inspection.....	6,038 75	411 42	6,450 17	
Payments .....	.....	115,272 00	115,272 00	122,078 03
Work authorized by chapter 298, Laws of 1892.				
<i>Pier at West Thirty-fourth Street. N. R.</i>				
Removal of awning, Secretary's Order No. 12814.....	\$57 55	\$0 90	\$58 45	
Construction of iron awning shed, Contract No. 437—				
Specifications.....	.....	118 50	118 50	
Inspection.....	95 19	1 43	96 62	
Payments (less \$100 for two days' delay in complet- ing work).....	.....	2,850 00	2,850 00	3,123 57
<i>Pier, new 82, N. R.</i>				
Construction of iron awning shed, Contract No. 446—				
Specifications.....	.....	\$101 16	\$101 16	
Inspection.....	\$111 40	.....	111 40	
Payments.....	.....	3,645 00	3,645 00	3,857 56
<i>Pier at East Third Street, E. R.</i>				
Construction of iron awning shed, Contract No. 441—				
Specifications.....	.....	\$94 17	\$94 17	
Inspection.....	\$208 04	.....	208 04	
Payments (less \$200 for four days' delay in com- pleting work).....	.....	3,725 00	3,725 00	4,027 21
<i>Pier at East Thirty-third Street, E. R.</i>				
Construction of iron awning shed, Contract No. 453—				
Specifications.....	.....	\$138 75	\$138 75	138 75
Total.....	.....	.....	.....	\$170,729 79

## On Repairs Account.

## ON REPAIRS ACCOUNT.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<b>Platform at Battery Wall.</b>				
Extension at easterly side, under Secretary's Order No. 12881.....	\$242 25	\$676 42	\$918 67	
Removing portion of, under Secretary's Order No. 12978.....	297 78	55 82	353 60	
Repairs to, under Secretary's Order No. 13193.....	36 16	47 30	83 46	
"            "            13285.....	6 04	.....	6 04	
"            "            13756.....	65 55	42 52	108 07	\$1,469 84
<b>Boat Landing east of Pier "A."</b>				
Raising of (see Treasurer's Order No. 13066).....	.....	\$61 00	\$61 00	
Repairs to, under Secretary's Order No. 12193.....	\$152 89	38 55	191 44	
Placing and repairing float under Secretary's Order No. 12808.....	68 60	113 77	182 37	
Placing and repairing float under Secretary's Order No. 13152.....	54 62	27 22	81 84	
Placing and repairing float under Secretary's Order No. 13510.....	88 03	.....	88 03	604 68
<b>Pier "A."</b>				
Painting fender-piles, under Secretary's Order No. 13022	\$24 57	\$5 76	\$30 33	
Repairs to, under Secretary's Order No. 13658.....	27 40	21 13	48 53	
"            "            13716.....	98 09	20 96	119 07	
Repairs to, under Engineer's Order.....	16 69	.....	16 69	
Watching at outer end.....	728 00	1 61	729 61	944 23
<i>Building on the Pier.</i>				
<i>(Dock Department Quarters.)</i>				
Repairs to heating apparatus.....	\$338 18	\$106 16	\$444 34	
Sundry repairs to building and fixtures during year....	1,284 58	815 01	2,099 59	
Repairs to, under Secretary's Order No. 13368.....	4 44	3 15	7 59	2,551 52
<b>Bulkhead-wall between Pier "A" and Pier, new 1, N. R.</b>				
Repairs to, under Secretary's Order No. 12307.....	\$59 72	.....	\$59 72	59 72
<b>Bulkhead-wall north of Pier, new 1, N. R.</b>				
Repairs under Secretary's Order No. 12378.....	\$4 00	.....	\$4 00	4 00
<b>Pier, new 15, N. R.</b>				
Repairs to, under Secretary's Order No. 13286.....	\$61 80	\$53 13	\$114 93	
Repairs to, under Engineer's Order.....	1 50	.....	1 50	116 43

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Old Bulkhead south of Warren Street.				
Repairs to, under Secretary's Order No. 12937.....	\$3 35	.....	\$3 35	\$3 35
Pier, new 36, N. R.				
Repairs to, under Secretary's Order No. 13620. ....	\$7 50	.....	\$7 50	7 50
Pier, new 40, N. R.				
Repairs to, under Secretary's Order No. 12493.....	\$13 50	\$101 70	\$115 20	756 09
" " 13146.....	519 00	121 89	640 89	
Pier, new 43, N. R.				
Removing signs from shed under Secretary's Order } No. 13399.....	\$37 70	\$2 15	\$39 85	
Repairs to, under Secretary's Order No. 13043.....	37 98	6 82	44 80	464 03
" " 13541.. ..	88 20	82 33	170 53	
" " 13634.....	36 62	.....	36 62	
Watching.....	172 50	.....	172 50	
Bulkhead between West Tenth and Charles Streets, N. R.				
Repairs under Contract No. 416—				
Specifications .....	.....	\$24 00	\$24 00	230 21
Repairs under Secretary's Order No. 12848.....	\$196 56	.....	196 56	
" " 13145.....	9 65	.....	9 65	
Approach to Piers, new 46 and new 47, N. R.				
Repairs under Secretary's Order No. 12751.....	.....	\$160 97	\$160 97	2,025 96
" " 13031.....	\$275 59	594 40	869 99	
" " 13326.....	150 79	226 32	377 11	
" " 13539.....	292 01	319 88	611 89	
" Engineer's Order... ..	6 00	.....	6 00	
Pier, old 54, N. R.				
Repairs under Secretary's Order No. 12922.....	\$207 67	\$462 45	\$670 12	1,223 24
" " 13107.....	67 15	.....	67 15	
" " 13542.....	229 92	256 05	485 97	
Bulkhead along southerly line, extended, of West Eleventh Street, N. R.				
Repairs under Secretary's Order No. 13181.....	\$78 25	\$16 22	\$94 47	477 60
" " 13681.....	276 85	106 28	383 13	

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTAL	
Pier at West Eleventh Street, N. R.					
Repairs under Secretary's Order No. 13439 .....	\$193 20	\$2 37	\$195 57	\$195 57	
Pier, old 57, N. R.					
Repairs under Secretary's Order No. 12817.....	\$23 50	.....	\$23 50		
" " 13162.....	40 41	\$68 49	108 90		
" " 13593.....	59 51	.....	59 51		
" " 13665.....	73 30	66 97	140 27	331	
Bulkhead between Piers, old 57 and old 58, N. R.					
Repairs under Secretary's Order No. 13667.....	\$93 47	.....	\$93 47	93	
Pier, old 58, N. R.					
Repairs under Secretary's Order No. 12794.....	\$14 11	\$0 42	\$14 53	103	
" " 13163.....	19 95	68 72	88 67		
Bulkhead between Piers, old 58 and old 59, N. R.					
Repairs under Contract No. 429—					
Specifications.....	.....	\$11 00	\$11 00	11	
Bulkhead South of Little West Twelfth Street, N. R.					
Repairs under Secretary's Order No. 12815.....	\$9 53	.....	\$9 53	9	
Pier at West Thirteenth Street, N. R.					
Repairs under Secretary's Order No. 13160.....	\$38 41	.....	\$38 41	91	
" " 12795.....	8 00	\$45 09	53 09		
Pier at West Fifteenth Street, N. R.					
Repairs under Secretary's Order No. 12596.....	.....	\$13 75	\$13 75	81	
" " 13436.....	\$67 64	.....	67 64		
Pier at West Nineteenth Street, N. R.					
Repairs under Secretary's Order No. 12702.....	\$101 06	\$192 44	\$293 50	364	
" " 12793.....	13 20	.....	13 20		
" " 13399.....	29 46	27 88	57 34		
Pier at West Twentieth Street, N. R.					
Repairs under Secretary's Order No. 12880.....	\$3 00	\$1 38	\$4 38	53	
" " 12956.....	39 82	.....	39 82		
" " 13231.....	214 50	178 09	392 59		
" " 13607.....	26 25	67 44	93 69		

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<b>Bulkhead-wall, between Piers, new 54 and new 55, N. R.</b>				
<b>Repairs under Secretary's Order No. 13384.....</b>	\$42 00	\$40 02	\$82 02	\$82 02
<b>Pier, new 56, N. R.</b>				
<b>Repairs under Secretary's Order No. 12863 .....</b>	\$77 81	\$57 26	\$135 07	135 07
<b>Pier, new 59, N. R.</b>				
<b>Repairs under under Contract No. 431— Specifications... ..</b>	.....	\$33 00	\$33 00	33 00
<b>Pier, new 60, N. R.</b>				
<b>Repairs under Secretary's Order No. 12700.....</b>	\$62 16	\$12 71	\$74 87	
“ “ 13205.....	7 46	1 13	8 59	
“ “ 13680.....	36 45	6 42	42 87	
“ Engineer's Order .....	5 10	.....	5 10	131 43
<b>Pier at West Thirty-fourth Street, N. R.</b>				
<b>Repairs under Secretary's Order No. 12868.....</b>	\$355 75	\$602 46	\$958 21	
“ “ 13053.....	194 50	118 07	312 57	
“ “ 13204.....	297 08	342 48	639 56	
“ “ 13501.....	282 69	336 58	619 27	2,529 61
<b>Pier and Approach at West Thirty-seventh Street, N. R.</b>				
<b>Repairs under Contract No. 426— Specifications .....</b>	.....	\$34 15	\$34 15	34 15
<b>Bulkhead foot West Thirty-ninth Street, N. R.</b>				
<b>Repairs under Secretary's Order No. 13024 .....</b>	\$44 95	\$28 74	\$73 69	73 69
<b>Pier, new 74, N. R.</b>				
<b>Repairs under Secretary's Order No. 12701.....</b>	\$85 36	\$99 52	\$184 88	
“ “ 13071.....	90 75	63 23	153 98	
“ “ 13109.....	108 56	164 17	272 73	
“ “ 13798.....	3 00	.....	3 00	
“ Engineer's Order.....	40 00	.....	40 00	
<b>Repairs under Contract No. 463— Specifications.....</b>	6 00	135 25	141 25	
<b>Inspection.....</b>	247 48	.....	247 48	
<b>Payments .....</b>	.....	6,121 19	6,121 19	7,164 51

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
.....	\$225 73	\$316 56	\$542 29	
.....	151 02	283 86	434 88	
.....	305 30	308 66	613 96	
.....	275 83	30 94	306 77	\$1,897 90
.....				
.....	\$324 66	\$428 47	\$753 13	753 13
.....				
.....	.....	\$33 33	\$33 33	33 33
.....				
.....	\$46 40	\$62 65	\$109 05	
.....	23 47	.....	23 47	132 52
.....				
.....	\$140 65	\$206 29	\$346 94	
.....	254 24	365 82	620 06	
.....	482 01	392 82	874 83	1,841 83
.....				
.....	\$9 00	\$7 08	\$16 08	16 08
.....				
.....	\$140 34	\$246 50	\$386 84	386 84
.....				
.....	\$94 00	\$0 76	\$94 76	94 76
.....				
.....	\$92 76	.....	\$92 76	
.....	108 00	\$88 05	196 05	
.....	112 50	112 11	224 61	
.....	201 70	138 77	340 47	853 89
.....				
.....	\$111 70	\$64 72	\$176 42	
.....	106 48	9 53	116 01	292 43

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<b>Crib-bulkhead foot of West Ninety-sixth Street, N. R.</b>				
Repairs under Secretary's Order No. 13135.....	\$20 70	\$9 70	\$30 40	
"                    "          13184.....	111 25	167 59	278 84	
"                    "          13284.....	48 90	116 12	165 02	
				\$474 26
<b>Bulkhead between West One Hundred and Twenty-ninth and West One Hundred and Thirtieth streets, N. R.</b>				
Repairs under Secretary's Order No. 13399.....	\$12 12	.....	\$12 12	
				12 12
<b>Pier at West One Hundred and Thirty-first Street, N. R.</b>				
Repairs under Secretary's Order No. 12992.....	\$39 67	\$3 08	\$47 75	
"                    "          13294.....	106 85	2 02	108 87	
"                    "          13777.....	51 84	.....	51 84	
				208 46
<b>Bulkhead between West One Hundred and Thirty-first and West One Hundred and Thirty-second Streets, N. R.</b>				
Repairs under Secretary's Order No. 12997.....	\$18 42	.....	\$18 42	
"                    "          13248.....	11 50	.....	11 50	
"                    "          13647.....	29 46	.....	29 46	
				59 38
<b>Bulkhead between West One Hundred and Thirty-second and West One Hundred and Thirty-third Streets, N. R.</b>				
Repairs under Secretary's Order No. 12988.....	\$20 66	.....	\$20 66	
"                    "          13617.....	30 92	.....	30 92	
				51 58
<b>Pier at West One Hundred and Thirty-fourth Street, N. R.</b>				
Repairs under Secretary's Order No. 12776.....	\$4 20	.....	\$4 20	
"                    "          13480.....	172 71	\$169 98	342 69	
				346 89
<b>Pier at West One Hundred and Fifty-second Street, N. R.</b>				
Repairs under Secretary's Order No. 12858.....	\$114 66	\$183 36	\$318 02	
"                    "          13270.....	110 01	70 45	180 46	
				498 48



## On Repairs Account.

	PAY-ROLLS	BILLS	TOTALS	TOTALS
<b>Pier at West One Hundred and Fifty-eighth Street, N. R.</b>				
Repairs under Secretary's Order No. 12774.....	\$18 20	22 25	40 45	
" " " 12346.....	299 68	213 25	512 93	
<b>Pier at West One Hundred and Fifty-eighth Street, N. R.</b>				
Repairs under Secretary's Order No. 12775.....	\$19 95	\$20 29	\$40 24	40
<b>Repairing Pavement on the Marginal Street west of West Street, N. R.</b>				
Under Secretary's Order No. 12029.....	.....	\$76 00	\$76 00	
" " 12263.....	.....	89 60	89 60	
" " 12329.....	\$640 84	24 34	665 18	
" " 12742.....	170 77	47 25	218 02	
" " 12792.....	492 36	36 45	528 81	
" " 12847.....	70 20	20 00	90 20	
" " 12849.....	142 60	24 27	166 87	
" " 12879.....	439 70	37 64	477 34	
" " 13023.....	334 53	53 07	387 60	
" " 13105.....	46 37	4 69	51 06	
" " 13113.....	674 38	73 27	748 65	
" " 13218.....	776 79	62 36	839 15	
" " 13358.....	722 58	54 26	776 84	
" " 13504.....	79 43	.....	79 43	
" " 13778.....	7 59	.....	7 59	1,241 91
<b>Temporary Boat Landings.</b>				
At West Twenty-fourth street, N. R., under Secretary's Order No. 12836.....	\$1,619 22	\$3 12	\$1,622 33	
At West Forty-second street, N. R., under Secretary's Order No. 12837.....	1,176 58	3 22	1,179 80	
At West Fifty-ninth street, N. R., under Secretary's Order No. 12937.....	117 29	146 48	263 77	
At West Fifty-ninth street, N. R., under Secretary's Order No. 12838.....	121 83	2 12	123 95	
At West Eighty-second street, N. R., under Secretary's Order No. 12839.....	145 30	78	146 08	
At West Ninety-sixth street, N. R., under Secretary's Order No. 12840.....	276 19	1 05	277 24	
<b>Pier, new 6, E. R.</b>				
Repairs under Secretary's Order No. 12886.....	\$152 54	\$205 72	\$358 26	
" " " 13233.....	206 71	279 07	485 78	844 04

On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Bulkhead between Piers, new 6 and old 8, E. R.				
Repairs under Secretary's Order No. 13174.....	\$29 08	.....	\$29 08	\$29 08
Pier 12, E. R. ( <i>west half</i> ).				
Repairs under Secretary's Order No. 12750.....	.....	\$45 43	\$45 43	
" " 12887.....	\$29 20	3 46	32 66	
" " 13173.....	329 55	377 79	707 34	785 43
Pier 19, E. R. ( <i>west half</i> ).				
Repairs under Secretary's Order No. 13026.....	\$19 46	.....	\$19 46	
" " 13095.....	145 12	\$83 79	228 91	
" " 13371.....	47 92	30 61	78 53	
" " 13676.....	149 26	98 68	247 94	574 84
Pier, new 29, E. R.				
Repairs under Secretary's Order No. 12594.....	.....	\$22 50	\$22 50	
" " 12711.....	.....	11 29	11 29	
" " 12911.....	\$117 18	149 04	266 22	
" " 13036.....	5 95	.....	5 95	
" " 13331.....	242 67	353 54	596 21	
" " 13399.....	11 59	15 09	26 68	928 85
Bulkhead between Piers, new 29 and old 38, E. R.				
Repairs under Secretary's Order No. 12747.....	\$6 06	.....	\$6 06	6 06
Pier, new 32, E. R.				
Repairs under Secretary's Order No. 12912.. ..	\$214 95	\$281 72	\$496 67	
" " 13229.....	46 04	4 27	50 31	
" " 13338.....	206 26	298 50	504 76	1,051 74
Pier 43, E. R.				
Repairs under Secretary's Order No. 13612.....	\$227 12	\$42 40	\$269 52	269 52
Bulkhead between Piers 43 and 44, E. R.				
Repairs under Secretary's Order No. 13238 .....	\$502 44	\$10 83	\$543 27	543 27
Pier 44, E. R.				
Repairs under Secretary's Order No. 11313.....	.....	\$21 29	\$21 29	
" 13010.....	\$87 45	121 02	208 47	
" 13332.....	106 51	55 01	162 52	
" 13717.....	149 20	16 10	165 30	557 58

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
<b>Pier 48, E. R.</b>				
Repairs under Secretary's Order No. 12567.....	\$163 96	\$644 56	\$808 52	
"                    "          12783.....	140 34	237 63	377 97	
"                    "          13279.....	47 54	.....	47 54	\$1,234 00
<b>Pier 54, E. R. (west half).</b>				
Fencing-off under Secretary's Order No. 13305.....	\$76 74	\$71 17	\$147 91	147
<b>Bulkhead foot Corlaers Street, E. R.</b>				
Repairs under Secretary's Order No. 13350.....	\$42 10	\$5 25	\$47 35	47
<b>Pier 55, E. R.</b>				
Repairs under Secretary's Order No. 13239.....	\$181 52	\$168 33	\$349 85	349 85
<b>Pier 56, E. R. (north half).</b>				
Repairs under Secretary's Order No. 13529.....	\$183 57	\$190 48	\$374 05	374 05
<b>Pier 57, E. R. (south half).</b>				
Repairs under Secretary's Order No. 13130.....	\$423 12	\$417 64	\$840 76	840 76
<b>Bulkhead between Piers 58 and 59, E. R.</b>				
Repairs under Secretary's Order No. 13364.....	\$5 10	.....	\$5 10	5 10
<b>Pier 60, E. R.</b>				
Repairs under Secretary's Order No. 13399.....	\$80 80	\$28 63	\$109 43	109 43
<b>Pier 61, E. R.</b>				
Repairs under Secretary's Order No. 12845.....	\$100 96	\$111 66	\$212 62	
"                    "          12963.....	47 95	40 55	88 50	
"                    "          13608.....	72 71	12 31	85 02	386 14
<b>Pier at East Third Street, E. R.</b>				
Repairs under Secretary's Order No. 12871.....	\$11 82	.....	\$11 82	
"                    "          13678.....	19 76	\$0 43	20 19	32 01
<b>Pier at East Fifth Street, E. R.</b>				
Repairs under Secretary's Order No. 13079.....	\$72 91	\$82 13	\$155 04	155 04
<b>Bulkhead foot East Seventeenth Street, E. R.</b>				
Repairs under Secretary's Order No. 13259.....	\$3 00	\$1 12	\$4 12	4 12

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Pier at East Eighteenth Street, E. R.				
Repairs under Secretary's Order No. 13399 .....	\$24 15	\$6 65	\$30 80	\$30 80
Pier at East Twenty-fifth Street, E. R.				
Repairs where damaged by ferry boat "Westside" ....	.....	\$26 52	\$26 52	26 52
Pier at East Twenty-eighth Street, E. R.				
Repairs under Secretary's Order No. 12943.....	\$217 10	\$187 95	\$405 05	
" " 13310.....	309 57	441 02	750 59	
" " 13399.....	69 20	10 68	79 88	1,235 52
Pier at East Twenty-ninth Street, E. R.				
Repairs to entrances under Engineer's Order .....	\$168 47	.....	\$168 47	168 47
Bulkhead under Pier at East Thirty-third Street, E. R.				
Repairs under Contract No. 420—				
Specifications....	.....	\$5 00	\$5 00	5 00
Pier at East Thirty-eighth Street, E. R.				
Repairs under Secretary's Order No. 12969.....	\$39 17	\$53 05	\$92 22	
" " 13197.....	36 29	3 38	39 67	
" " 13502.....	111 96	114 59	226 55	358 44
Pier at East Forty-sixth Street, E. R.				
Repairs under Contract No. 421—				
Specifications.....	.....	\$27 00	\$27 00	27 00
Bulkhead at East Forty-eighth Street, E. R.				
Repairs under Secretary's Order No. 12942.....	\$46 81	.....	\$46 81	46 81
Bulkhead foot East Fifty-third Street, E. R.				
Repairs under Secretary's Order No. 13311 .....	\$55 34	\$60 82	\$116 16	116 16
Bulkhead foot East Fifty-fourth Street, E. R.				
Repairs under Secretary's Order No. 13312 .....	\$7 52	\$14 10	\$21 62	21 62
Pier at East Sixty-second Street, E. R.				
Repairs under Secretary's Order No. 13,27.....	\$71 44	\$80 16	\$151 60	151 60

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Bulkhead foot East Seventy-fifth Street, E. R.				
Repairs under Secretary's Order No. 13011.....	\$120 05	\$103 07	\$223 12	\$223 12
Bulkhead foot East Seventy-sixth Street, E. R.				
Repairs under Secretary's Order No. 13011.....	\$169 94	\$146 76	\$316 70	
" " 13293.....	7 52	15 02	22 54	
" " 13752.....	40 64	2 60	43 24	382
Lower Pier at East Eighty-sixth Street, E. R.				
Repairs under Secretary's Order No. 13509.....	\$51 97	.....	\$51 97	
" " 13604.....	166 40	\$137 78	304 18	35
Upper Pier at East Eighty-sixth Street, E. R.				
Repairs under Secretary's Order No. 13383.....	\$85 44	\$130 60	\$216 04	
" " 13509.....	69 34	.....	69 34	
" " 13603.....	87 65	32 71	120 36	405 74
Pier at East Ninety-fifth Street, E. R.				
Repairs under Secretary's Order No. 13232.....	\$10 80	\$6 46	\$17 26	
" " 13609.....	36 60	27 99	64 59	81 85
Bulkhead at East One Hundred and Sixth Street, H. R.				
Repairs under Secretary's Order No. 13000.....	\$61 26	\$142 49	\$203 75	203 75
Bulkhead at East One Hundred and Seventh Street, H. R.				
Repairs under Secretary's Order No. 13001.....	\$85 46	\$7 38	\$92 84	92 84
Pier at East One Hundred and Tenth Street, H. R.				
Repairs under Secretary's Order No. 13249.....	\$102 70	\$167 73	\$270 43	
" " 13399.....	25 95	.....	25 95	296 38
Bulkhead-wall foot of East One Hundred and Twenty-fifth Street, H. R.				
Repairs under Engineer's Order .....	\$12 00	\$8 09	\$20 09	20 09
Bulkhead at East One Hundred and Twenty-ninth Street, H. R.				
Repairs to fence under Secretary's Order No. 12975....	\$31 25	\$6 52	\$37 77	
" " 13164....	73 42	29 90	103 32	141 09

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
Bulkhead foot of East One Hundred and Thirty-seventh Street, H. R.				
Repairs under Secretary's Order No. 13532.....	\$153 22	\$110 90	\$264 12	\$264 12
Bulkheads between East One Hundred and Thirty-eighth and East One Hundred and Fortieth Streets, H. R.				
Repairs to paved approaches under Secretary's Order No. 13234 .....	\$106 12	.....	\$106 12	106 12
"Cleaning the wharves, piers and bulkheads, heads of slips and portions of streets and places, by law committed to the custody and control of the Department of Docks, as provided by section 7 of chapter 269 of the Laws of 1892."				
Under resolution of May 12, 1892 .....	\$39,804 43	\$8,030 03	\$47,834 46	47,834 46
Dredging.				
Pier, new 15, N. R. ....	\$168 03	\$11,337 91	\$11,505 94	
Bulkhead-wall between Piers, new 21 and new 22, N. R.	37 30	415 85	453 15	
Pier, new 35, N. R.....	74 56	945 00	1,019 56	
" 38, N. R.....	43 55	2,428 17	2,471 72	
" 40, N. R.....	220 74	8,079 60	8,300 34	
" 42, N. R.....	26 09	962 42	988 51	
" 44, N. R.....	6 89	.....	6 89	
" 45, N. R.....	22 63	948 37	971 00	
Pier at Bethune street, N. R.....	29 46	1,951 92	1,981 38	
Pier, new 57, N. R.....	28 66	1 24	29 90	
" 58, N. R.....	.....	1 24	1 24	
" 59, N. R.....	278 27	3,715 36	3,993 63	
" 60, N. R.....	.....	1 24	1 24	
" 61, N. R.....	.....	1 24	1 24	
" 62, N. R.....	.....	1 24	1 24	
" 63, N. R.....	.....	2,518 70	2,518 70	
Pier at West Thirty-fourth street, N. R.....	95 01	7,389 25	7,485 06	
" West Thirty-fifth street, N. R.....	41 06	955 13	996 19	
" West Fortieth street, N. R.....	29 64	910 50	946 14	
" West Forty-fourth street, N. R.....	63 38	903 26	966 64	
" West Forty-sixth street, N. R.....	31 96	941 81	973 77	
" West Forty-eighth street, N. R.....	19 74	.....	19 74	
" West Fiftieth street, N. R.....	10 24	957 75	976 99	

## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOT
Pier at West Fifty-fifth street, N. R.....	.....	\$26 37	\$26 37	
" West Fifty-sixth street, N. R.....	.....	26 38	26 38	
" West Fifty-seventh street, N. R.....	.....	31 63	31 63	
" West Fifty-eighth street, N. R.....	.....	26 37	26 37	
Bulkheads between West Seventy-fifth and West } Seventy-ninth streets, N. R. ....	85 99	7 24	7 27	
Pier at West Seventy-ninth street, N. R.....	27 37	835 35	862 72	
Bulkhead between West Seventy-ninth and West } Eightieth streets, N. R. ....	32 22	793 26	825 38	
Bulkhead foot of West Eightieth street, N. R.....	7 29	181 02	189 91	
Bulkhead foot of West Ninety-ninth street, N. R.....	16 24	77 06	93 20	
Bulkhead between Piers, old 4 and old 5, E. R.....	107 64	1,216 57	1,324 21	
Pier, old 5, E. R.....	38 10	2,267 15	2,305 25	
Bulkhead between Piers, old 5 and old 6, E. R.....	4 55	247 75	252 30	
Pier, old 6, E. R.....	31 90	4,007 14	4,039 04	
Bulkhead between Piers, old 6 and new 6, E. R.....	8 40	175 74	184 14	
Pier, new 6, E. R.....	70 24	4,074 93	4,145 17	
Bulkhead between Piers, new 6 and new 7, E. R.....	5 92	144 13	150 06	
Pier, new 7, E. R.....	32 84	1,933 76	1,966 60	
Pier 18, E. R.....	.....	1 23	1 23	
Bulkhead between Piers 18 and 19, E. R....	.....	1 23	1 23	
Pier 19, E. R.....	.....	1 23	1 23	
Pier, new 29, E. R.....	31 09	.....	31 09	
Pier, old 43, E. R.....	21 37	845 44	866 81	
Pier 53, E. R.....	31 63	1,110 24	1,141 87	
Bulkhead between Piers 53 and 54, E. R.....	43 89	198 89	236 78	
Pier 54, E. R.....	31 64	1,170 08	1,201 72	
Pier 55, E. R.....	24 15	823 50	847 65	
Pier 61, E. R.....	61 88	6,907 45	6,969 33	
Pier foot of Stanton street, E. R.....	26 19	776 72	802 91	
Pier at East Eighteenth street, E. R.....	.....	5 25	5 25	
Pier at East Twenty-fourth street, E. R.....	19 38	764 49	783 87	
Bulkhead wall between East Twenty-fourth and East } Twenty-fifth streets, E. R.....	14 87	416 84	431 71	
Bulkhead foot of East One Hundred and Sixth street, } H. R.....	9 41	303 40	312 81	
Bulkhead foot of East One Hundred and Seventh } street, H. R.....	9 40	191 80	201 20	
Pier at East One Hundred and Nineteenth street, H. R.....	33 74	429 56	463 30	
Bulkhead foot of East One Hundred and Thirty-sixth } street, H. R.....	.....	64 40	64 40	
Bulkhead foot of East One Hundred and Thirty- } seventh street, H. R.....	.....	84 40	84 40	
				\$76.61

## On Repairs Account.

	PAY-ROLLS.	BILLS	TOTALS.	TOTALS.
<b>For Department of Public Works.</b>				
ring berths for and approaches to the public aths, removing said approaches at close of season ed restoring the piers to commercial use.....	\$562 45	\$441 70	\$1,004 15	
us to Pipe Yard at East Twenty-fourth street. ....	30 20	2 88	33 08	\$1,037 23
<b>Department of Public Charities and Correction.</b>				
t East Twenty-sixth street—Repairs to.....	\$473 18	\$466 81	\$939 99	
" " Dredging at.....	18 51	633 91	652 44	1,592 43
anding at East Fifty second street—Repairs to...	\$351 70	\$220 02	\$571 72	
" East Eighty-sixth street—Repairs to ..	367 27	278 59	645 86	2,217 98
well's Island—Repairs to Charity Hospital Pier..	\$220 61	\$141 43	\$362 04	
" " Storehouse Pier.....	225 36	338 84	564 20	
" " Quarry Platform. ....	516 36	264 42	780 78	2,707 02
Island—Repairs to lower pier .....	\$520 84	\$276 33	\$797 17	
" " upper pier.....	466 95	105 13	572 08	1,369 25
ll's Island—Repairs to upper pier....	\$228 44	\$433 82	\$662 26	662 26
s Island—Repairs to pier at east side .....	\$127 55	\$119 76	\$257 31	
" " west side... ..	87 81	66 22	154 03	411 34
<b>For Fire Department.</b>				
for fire-boat at the Battery .....	\$35 17	\$86 01	\$121 18	
" East Third street .....	65 90	97 63	163 53	285 71
<b>For Department of Street Cleaning.</b>				
at Canal street, N. R., dredging .....	\$9 84	.....	\$9 84	
West Twelfth street, N. R., dredging....	25 18	\$274 28	300 45	
West Nineteenth street, N. R., dredging. ....	43 39	563 18	606 57	
West Thirtieth street, N. R., dredging .....	23 62	98 81	122 43	
West Forty-seventh street, N. R., dredging..	26 87	456 75	483 62	
West Seventy ninth street, N. R., dredging. ....	24 15	470 81	494 96	
at West One Hundred and Twenty ninth street, N. R., dredging .....	17 64	458 94	486 58	
at Pier 12, E. R., dredging .....	21 77	396 56	418 33	
Pier 44, E. R., dredging .....	22 97	276 56	299 53	
Pier 54, E. R., dredging .....	.....	26 25	26 25	
East Seventeenth street, E. R., dredging. ....	19 40	271 69	291 09	
East Thirty-eighth street, E. R., dredging...	29 14	302 59	331 73	
East Forty-sixth street, E. R., dredging .....	30 70	228 38	259 08	
East Eightieth street, E. R., dredging .....	23 13	116 00	139 13	
Lincoln avenue, H. R., dredging .....	19 39	225 38	244 77	4,514 37



## On Repairs Account.

	PAY-ROLLS.	BILLS.	TOTALS.	TOTALS.
For Health Department.				
Bulkhead at East Seventeenth street, repairs to.....	\$60 92	\$114 65	\$175 57	
Berth for the "Franklin Edson" at East One Hundred and Thirty-eighth street.....	143 09	146 28	289 37	
Berth for the "Franklin Edson" at North Brother Island .....	44 35	936 75	981 10	
Repairs to boat float at North Brother Island .....	74 20	52 78	126 98	
Repairs to pier at Riker's Island.....	137 75	11 88	149 63	
				\$1,722 65
Total.....	.....	.....	.....	\$193,322 27

## On Acquired Wharf Property Account.

## ON ACQUIRED WHARF PROPERTY ACCOUNT.

	TOTALS.	TOTALS.
For northerly half of Pier, old 33, N. R., the southerly half of Pier, old 34, N. R., and the bulkhead between, known as the "Jay Street Basin," per resolution of the Board, August 20, 1891, viz.—		
Purchase proper.....	\$350,000 00	
Interest.....	15,000 00	
Law charges.....	552 08	\$365,552 08
For bulkhead 40½ feet northerly of Spring street, as per judgment of Supreme Court, in suit of Cornelius F. Kingsland and others vs. The Mayor, etc., viz.—		
Purchase proper.....	\$27,698 15	
Interest .....	214 65	
Law charges.....	472 05	28,384 85
For payment of judgment of Supreme Court, in suit of Thomas Lenane and others vs. The Mayor, etc., "for damages for destruction of wharfage rights appurtenant to the bulkhead on the westerly side of West street, beginning 112 feet 1 inch northerly from the northerly line of Spring street and running thence northerly 40 feet, viz.—		
Bulkhead, 40 feet.....	\$20,000 00	
Interest.....	12,266 66	
Costs, fees, etc.....	2,002 46	
Amount of judgment .....	\$34,269 12	
Additional interest.....	437 78	
Law charges.....	1 4 30	34,811 20
For purchase of 75 feet of bulkhead on West street, opposite Clarkson, as per judgment of Supreme Court, in suit of Daniel D. Lord vs. The Mayor, etc., viz.—		
Purchase proper.....	\$51,500 00	
Interest .....	577 94	
Law charges.....	13 80	52,091 74

## On Acquired Wharf Property Account.

	TOTALS.	TOTALS.
For payment of claims on account of the judgments of the Supreme Court in the ten suits known as the "Langdon suits," viz.—		
Law charges.....	\$510 32	\$510 32
For payment of judgment of Supreme Court in suit of John S. McLean vs. The Mayor, etc., "for damages for destruction of wharfage rights appurtenant to the bulkhead on westerly side of West street extending 75 feet and $\frac{3}{4}$ of an inch northerly from the northerly line of Morton street, viz.—		
Bulkhead, 75 feet and $\frac{3}{4}$ inch.....	\$37,531 25	
Interest .....	26,267 70	
Costs, fees, etc.....	1,888 65	
Amount of judgment.....	\$65,687 60	
Additional interest. ....	846 53	
Law charges... ..	285 82	66,819 95
For payment of judgment of Supreme Court in suit of John S. McLean vs. The Mayor, etc., "for damages for destruction of wharfage rights appurtenant to the bulkhead on westerly side of West street, beginning at a point 75 feet and $\frac{3}{4}$ of an inch from the northerly side of Morton street and extending thence northerly 25 feet and $\frac{1}{4}$ of an inch," viz.—		
Bulkhead, 25 feet and $\frac{1}{4}$ inch.....	\$12,510 41	
Interest .....	9,038 09	
Costs, fees, law charges, etc.....	981 92	22,530 42
For payment of judgment of Supreme Court in suit of John G. Wendel vs. The Mayor, etc., "for damages for destruction of wharfage rights appurtenant to the bulkhead on the westerly side of West street, beginning at a point 100 feet and 1 inch northerly from the northerly side of Morton street, running thence northerly 25 feet and $\frac{1}{4}$ of an inch," viz.—		
Bulkhead, 25 feet and $\frac{1}{4}$ inch.....	\$12,510 41	
Interest .....	9,038 09	
Costs, fees, law charges, etc.....	981 93	22,530 43
For payment of judgment of Supreme Court in suit of John S. McLean vs. The Mayor, etc., "for damages for destruction of wharfage rights appurtenant to the bulkhead on the westerly side of West street, beginning at southerly line of Barrow street and extending thence southerly 75 feet and $\frac{3}{4}$ of an inch," viz.—		
Bulkhead, 75 feet and $\frac{3}{4}$ inch.....	\$37,531 24	
Interest.....	27,114 24	
Costs, fees, law charges, etc .....	2,176 48	66,821 96
For wharf property between the northerly line of West Twenty-fifth street and centre line of block between West Twenty-fifth and West Twenty-sixth streets lying westerly of Thirteenth avenue, including the upland and bulkhead westerly thereof on the Hudson river, etc., in accordance with the judgment of the Supreme Court, General Term, viz.—		
Law charges.....	\$38 47	\$38 47

On Acquired Wharf Property Account.

	TOTALS.	TOTALS.
For bulkhead property along westerly line of Thirteenth avenue, between West Twenty-eighth and West Thirtieth streets, per judgment of Supreme Court in suit of Charles Ray King and others vs. The Mayor, etc., viz.—		
Bulkhead.....	\$117,251 00	
Interest .....	2,034 53	
Law charges.....	358 68	\$119,644
For property lying west of the easterly line of Twelfth avenue, from the southerly side of West Fifty-third street to the southerly side of West Fifty-fourth street, as per judgment of United States Circuit Court in suit of Mary J. Van Auken vs. The Mayor, etc.....	\$2,530 00	2,530
Total .....		\$782,265 6

On General Expense Account.

ON GENERAL EXPENSE ACCOUNT.

	TOTALS.	TOTALS.	TOTALS.
Salaries of the Commissioners.....		\$15,000 00	
Salaries of Roundsmen.....		1,281 50	\$16,281 50
Office of the Engineer-in-Chief.			
Salaries.			
Engineer-in-Chief and Assistants.....	\$30,820 72		
Clerks .....	5,000 00		
Laborers assisting Clerks.....	5,386 38		
Draughtsmen.....	6,743 97		
Laborer assisting Draughtsmen.....	2 50		
Copyist.....	1,066 64		
Searcher of Water Grants.....	2,133 28		
Stationery Custodian.....	1,500 00		
Laborer acting Mes-senger .....	42 50	\$52,695 99	
Stationery and Printing.			
Blank books, miscellaneous stationery and type-writer supplies.....	\$2,723 00		
Printing drawings of granite, marginal maps.....	278 00	3,001 00	

On General Expense Account.

	TOTALS.	TOTALS.	TOTALS.
<i>General Care of Offices.</i>			
ing .....	\$1,025 57		
ng.....	1,333 75		
ng.....	278 08	2,637 40	
<i>Office Furniture.</i>			
rs to office furniture.....	\$18 76		
ffice furniture .....	35 59	54 35	
<i>Sundries.</i>			
es for Draughtsmen.....	\$746 81		
ge stamps .....	220 00		
odel .....	43 64		
" Building Laws " .....	2 00		
of iron and granite.....	38 07		
articles. ....	16 20		
.....	43 00	1,109 72	\$59,498 46
<i>Work Yards and Offices.</i>			
vements at West Fifty-seventh Street Yard, under resolution } April 21, 1892. ....	.....	\$126 61	
ding West Fifty-seventh Street Yard, under resolution of Sep- } tember 29, 1892.....	.....	2,224 55	
ig buildings at West Fifty-seventh Street Yard, under Secre- } ry's Order No. 12745 .....	.....	16 68	
ockets at outer end of West Fifty-seventh Street Yard, under } solution of November 16, 1893.....	.....	5,184 27	
vements at West Fifty-seventh Street Yard, under resolution } February 1, 1894.....	.....	12,339 13	
insurance on buildings and stores at West Fifty-seventh street... }	.....	437 49	
ishing a work yard on the East river, between East Twenty- } fourth and East Twenty-fifth streets, under resolution of Septem- } ber 29, 1892....	.....	33,219 98	
ring all property of the Department from the East Seventeenth } Street Yard to the East Twenty-fourth Street Yard, under Secre- } ry's Orders Nos. 12570 and 12627.....	.....	750 12	
ing a work office, under resolution of May 25, 1893 .....	.....	335 26	
al care and maintenance of work yards and offices.....	.....	54,481 54	109,115 63
<i>Dock Master's Office.</i>			
's to and maintenance of .....	.....	\$541 93	
ing one office under Secretary's Order No. 13147.....	.....	341 20	
" " " 13258.....	.....	393 94	1,277 07
<i>Floating Property.</i>			
al care of.....	\$14,472 57		
Department charges for testing boilers.....	60 00		
of Superintendent of Machinery.....	1,980 00	16,512 57	

## On General Expense Account.

	TOTALS.	TOTALS.	TOTALS.
Tug "Manhattan".....	\$9,900 89		
Tug "Pier".....	11,953 70		
Derrick "City of New York".....	\$18,648 71	\$21,854 59	
Twelve-ton Derrick No. 1.....	846 25		
"        2.....	541 96		
"        3.....	402 89		
Ten-ton derrick.....	4,386 31		
Pile-driver No. 1.....	\$620 75	24,826 12	
"        2.....	244 83		
"        3.....	597 95		
"        4.....	1,348 11		
"        5.....	205 74		
"        6.....	105 46		
"        7.....	603 12		
"        8.....	545 95		
"        9.....	490 94		
"        10.....	1,573 44		
"        11.....	82 87		
"        12.....	353 88		
"        13.....	627 06		
"        14.....	524 75		
"        15.....	115 59		
"        16.....	50 91		
Pile-driver land-ways.....	127 06		
Deck Scow "C" .....	\$28 75	8,217 81	
"        "D".....	94 42		
"        "E".....	154 62		
"        "F" .....	35 94		
"        "H".....	352 12		
"        "I".....	280 31		
"        "K".....	338 19		
"        "L".....	87 83		
"        "M".....	61 86		
"        "N".....	112 29		
"        "O".....	149 49		
"        "P".....	18 66		
"        "R".....	266 20		

On General Expense Account.

	TOTALS.	TOTALS.	TOTALS.
Dock Scow " S ".....	\$777 99		
Watchmen's Houses on Deck Scows.....	5 82	\$2,764 49	
Diver's Scow " A ".....	\$28 70		
"    " G ".....	277 97		
"    " S ".....	106 81		
"    " T ".....	1 23	414 71	
Borer " Woodcock ".....	\$278 30		
Rock-drilling machine.....	9 05	287 35	
Steam Launch " Inspector ".....	\$2,644 36		
Naphtha Launch No. 1.....	903 00		
"    "    2.....	1,703 09	5,250 45	
Skiffs, yawls and batteaux.....	.....	2,484 15	
New Floating Plant.			
Twelve-ton Derrick No. 3, under resolution January 7, 1892.....	\$475 00		
Pile-driver No. 11, under resolution September 1, 1892.....	1,701 71		
Pile-drivers Nos. 13 and 14, under resolution February 11, 1892.....	64 56		
Deck Scow " B," under resolution February 2, 1893.....	1,575 67		
Deck Scow " U," under resolution December 7, 1893.....	2,573 96		
Diver's Scow " T," under resolution June 1, 1893.....	1,255 64		
Pile-drivers Nos. 15 and 16, under resolution May 11, 1893.....	10,578 86		
Naphtha Launch No. 2.....	950 00		
One yawl.....	76 00		
One Watchman's house.....	48 22	19,299 62	
Insurance.			
Tug " Manhattan ".....	\$312 50		
Tug " Pier ".....	1,012 50		
Derrick " City of New York ".....	487 42		
Twelve-ton Derrick No. 1.....	100 00		
"    2.....	100 00		
"    3.....	100 00		
Ten-ton derrick.....	20 00	2,132 42	
			\$104,044 28
Surveying Force.			
Salary of Clerk.....	.....	\$1,800 00	
New field implements and repairs to old.....	.....	1,023 09	
Miscellaneous supplies from storehouse.....	.....	59 78	2,882 87

On General Expense Account.

	TOTALS.	TOTALS.	TOTALS.
Removal of Obstructions.			
Sunken canal-boat from Pier, new 14, North river.....	.....	\$200 00	
Sunken obstructions foot of Canal street.....	.....	8 76	
Timber obstructions between Piers, new 42 and new 43, N. R. ....	.....	24 62	
Sunken wreck at Pier, new 21, N. R. ....	.....	4 83	
From bulkhead between Piers, new 55 and new 56, N. R.. ....	.....	40 70	
From Pier at East Twenty-fourth street, E. R. ....	.....	11 30	
Boiler shells from slip at East Ninety-fourth street, E. R. ....	.....	61 74	
Sunken wreck from foot of East Ninety-seventh street, E. R. ....	.....	150 00	
Float from foot East One Hundred and Thirtieth street, H. R. ....	.....	42 50	
			\$544 45
Car-fares—(Resolution, August 23, 1887.)			
Of Engineers and Assistants.....	.....	\$830 74	
Of Surveying Force .....	.....	702 60	
Of Repairs Force .....	.....	272 55	
Of Floating Property Force.....	.....	199 99	
Of Messenger.....	.....	40 62	
Of Roundsman.....	.....	54 35	
			2,100 55
Sundries.			
“Obtaining and preparing and maintaining an accurate record of the depth of water in all slips and basins, and at all piers and bulkheads within the jurisdiction of the Department,” in accordance with resolution of September 19, 1883.....	.....	\$4,204 48	
Examination and inspection of work done, or to be done, by lessees, owners and others, under order of or permit from the Board ....	.....	4,980 49	
Preparing and mooring deck-scows at south side of Pier “A,” and building and maintaining landings and floats along the North river water-front during the Columbian Naval Parades and Review in October, 1892, and April, 1893.....	.....	1,433 41	
Fencing-in and care of “property of the City under the charge of the Department east of Fifth avenue and north of East One Hundred and Thirty-eighth street, Harlem river” (Secretary’s Order No. 11566).....	.....	229 25	
Preventing unauthorized dumping in the Harlem river between Fifth and Seventh avenues .....	.....	604 42	
Surveys on North, East and Harlem rivers .....	.....	7,319 06	
Surveys at Riker’s Island.....	.....	318 18	
Automatic tide-gauges .....	.....	441 44	
Maintenance of timber basins on the North river .....	.....	6,896 68	
Fencing-in and care of water front on the East river, between East Eightieth and East Eighty-fourth streets and preventing unauthorized dumping thereat.....	.....	1,594 11	
Establishing and maintaining truck pound, between West Twenty-seventh and West Thirtieth streets (Secretary’s Order No. 12641) ..	.....	916 88	
Painting designations on piers and bulkheads .....	.....	1,401 96	
Survey made of Piers 43 and 45 E. R., for Corporation Counsel (Secretary’s Order No. 13039).....	.....	24 19	
Information prepared for Corporation Counsel relative to the damage done to the canal boat “John C. Orr” in slip between Piers, new 37 and new 38 N. R. (Secretary’s Order No. 13597) .....	.....	6 29	

On General Expense Account.

	TOTALS.	TOTALS.	TOTALS.
ees paid County Clerk for qualifying Commissioners of Deeds.....	.....	\$20 00	
Quenching fire on the bark " Onaway," foot West Forty-first street...	.....	4 28	
Materials condemned.....	.....	10 89	
Hired tugs at service of Dock Masters.....	.....	21 50	
Repairs to scow " Paul" where injured in collision with Department tug " Manhattan.".....	.....	9 76	
Repairs to barge " Lizzie K. Budd," injured in collision with Department tug " Pier.".....	.....	9 08	
Testing and returning rejected cement.....	.....	105 70	
Staking out sites on the marginal street, between Fulton and Vesey and Duane and Franklin streets, for sale of Christmas trees (Secretary's Order No. 13401).....	.....	14 88	
Signs placed on the marginal street, west of West street, forbidding the storing of trucks thereon (Secretary's Order No. 12623).....	.....	5 68	
Placing and maintaining signs on piers and bulkheads reserved for use of West Washington Market.....	.....	44 13	
Signs placed on outer end of pier at West Nineteenth street, forbidding vessels to load or unload thereat.....	.....	12 48	
Signs placed on outer end of pier at West Twentieth street, forbidding all vessels, excepting passenger vessels, berthing thereat...	.....	30 18	
Signs placed on pier at West One Hundred and Thirty-first, forbidding vessels from landing thereat.....	.....	25 51	
Signs placed on bulkhead facing Bellevue Hospital, forbidding landing of passengers or berthing of vessels thereat.....	.....	21 74	
Telephone rents and services.....	.....	3,121 85	
			\$33,828 53
Total.....	.....	.....	\$329,573 64

On Miscellaneous Account.

ON MISCELLANEOUS ACCOUNT.

	TOTALS.	TOTALS.
Pavement on the marginal street west of West street, opened to permit repairs of water and gas pipes, etc., at cost and expense of lessees, owners and others, viz. :		
For the Iron Steamboat Co., at Pier, new 1, N. R. (Secretary's Order No. 12855.)..	\$34 32	
For the Consolidated Gas Co., at Jay street (Secretary's Order No. 12892).....	51 23	
For the Consolidated Gas Co., at Pier, new 21, N. R. (Secretary's Order No. 13289).	226 02	
For the Hoboken Land and Improvement Co., at Christopher street (Secretary's Order No. 12797).....	27 17	
For the International Navigation Co., at Pier, new 14, N. R. (Secretary's Order No. 13099).....	235 00	
For the Baltimore and Ohio Railroad Co., at Pier, new 22, N. R. (Secretary's Order No. 12866 ...	131 64	
For R. P. & J. H. Staats, at Pier, new 14, N. R. (Secretary's Order No. 13169).....	90 71	
For Gustave Muller, at Pier, new 41, N. R. (Secretary's Order No. 13291).....	384 57	
For the National Steamship Co., at Pier, new 30, N. R. (Secretary's Order No. 13385).....	20 00	
For the Mutual Gas-light Co., at Pier, new 42, N. R. (Secretary's Order No. 13344 .....	3 47	
For the Providence and Stonington Steamship Co., at Pier, new 36, N. R. (Secretary's Order No. 13550).....	35 70	
		\$1,259 83



## On Miscellaneous Account.

	TOTALS.	TOTALS.
Repairs and alterations to piers, bulkheads, etc., at cost and expense of lessees, owners and others, viz.:		
For Brown & Fleming—Repairs to pier at Riker's Island.....	\$35 61	
For New York, Lake Erie and Western Railroad Co.—		
Removing sunken rock from Pier, new 21, N. R. (Secretary's Order No. 12338).....	267 83	
Piling for ferry-rack at Chambers street (Secretary's No. 13252).....	1,015 89	
Repairs to Pier, new 19, N. R. (Secretary's Order No. 13366).....	163 83	
Extending ferry rack at West Twenty-third street (Secretary's Order No. 13596).....	907 98	
Repairs to Pier, new 19, N. R. (Secretary's Order No. 13447).....	233 30	
For the Morris & Cumings Dredging Company—Securing drift timber from work done under Contract No. 433 .....	17 46	
For owners of barge "American Eagle"—Repairs to pier at East One Hundred and Thirty-ninth street, H. R. (Secretary's Order No. 13303) .....	19 08	
For owners of tug "Triton"—Repairs to Pier, new 14, N. R. (Secretary's Order No. 13367) .....	81 08	
For West Shore Railroad Company—		
Repairs to Pier, new 22, N. R. (Secretary's Order No. 13235).....	131 04	
"                    "                    "                    13180).....	19 50	
"                    "                    "                    13414).....	35 36	
For owners of scow "Sadie F. Hoagland"—Removing brick dumped therefrom at West One Hundred and Thirty-third street (Secretary's Order No. 13473)....	255 90	
For Hoboken Land and Improvement Company—Repairs to ferry rack at Christopher street (Secretary's Order No. 13487) .....	296 96	
For House of Refuge—Dredging at landing foot East One Hundred and Twentieth street, and Randall's Island (Secretary's Order No. 13576) .....	697 79	
For owners of steamship "State of Nebraska"—Repairs to Pier at West Twentieth street (Secretary's Order No. 13561).....	2 40	
For Oceanic Steam Navigation Company—		
Repairs to Pier, new 43, N. R. (Secretary's Order No. 13610).....	91 30	
Repairs to Pier, new 38, N. R. (Engineer's Order) .....	127 80	
For Occident Dock Company—		
Repairs to Pier, new 59, N. R. (Secretary's Order No. 13515).....	107 03	
"                    "                    "                    13220).....	10 62	
For owners of ferryboat "Shackamaxon"—Repairs to Battery platform (Secretary's Order No. 13077) .....	140 95	
For owners of steamboat "Elberon"—Repairs to Battery platform (Secretary's Order No. 13121).....	62 56	
For W. J. Murray—Repairs to bulkhead north of Pier, new 1, N. R. (Secretary's Order No. 13166).....	41 86	
		\$4,763 11
Expenditures for improving water-front at Dey street, at cost and expense of John H. Starin, under resolution of February 21, 1894, viz.:		
For labor.....	\$585 08	
For materials.....	1,404 05	
For use of floating plant.....	31 32	
		2,020 45
Sundries—		
Opening pavement of Marginal street west of West street, to permit the Department of Public Works to place hydrants (Secretary's Order No. 13047).....	\$238 65	
Removing portion of pier at West Thirteenth street, extending beyond the pier-head-line of 1890, at request of the Secretary of War, United States.....	1,104 41	
Placing boiler and tank on the bulkhead at East Seventeenth street, for Health Department .....	9 90	
Survey of ferry premises on New York and Brooklyn shores of the East river, made for the Comptroller.....	221 31	
Tugs at service of the Mayor.....	108 95	

## On Miscellaneous Account.

	TOTALS.	TOTALS.
Sundries—		
Tugs at service of the Police Department.....	\$273 93	
Tugs at service of the City Paymaster.....	2,586 75	\$4,543 90
Total.....	.....	\$12,567 31

## On Annual Expense Account.

## ON ANNUAL EXPENSE ACCOUNT.

	TOTALS.	TOTALS.
Office of the Board.		
<i>Salaries.</i>		
Secretary's Room—		
Secretary .....	\$4,800 00	
Assistant Secretary.....	2,575 85	
Stenographer and Typewriter .....	2,000 00	
Copyist .....	991 67	
Laborers.....	2,583 16	
Messengers.....	1,488 33	\$14,439 01
Chief Clerk's Room—		
Clerks.....	\$8,914 52	
Laborers.....	1,703 85	10,618 37
Treasurer's Clerk.....	\$1,906 99	
Laborers assisting Treasurer's Clerk .....	1,123 36	
Collector.....	1,733 06	
Laborers assisting Collector.....	295 48	5,058 89
Dock Masters.....	\$27,300 00	
Laborers assisting Dock Masters.....	4,083 99	31,383 99
Laborers acting Watchmen.....	\$3,224 15	
Janitor .....	202 37	3,426 52
<i>General Care of Offices.</i>		
Cleaning .....	\$1,025 58	
Heating.....	1,333 74	
Lighting.....	278 08	2,637 40
<i>Office Furniture.</i>		
Repairs.....	\$38 11	
New furniture.....	59 14	97 25

On Annual Expense Account.

	TOTALS.	TOTALS.
<i>Stationery and Printing.</i>		
Blank books, miscellaneous stationery and type-writer supplies.....	\$4,205 10	
Renewals and repairs to type-writers.....	59 70	
Printing " Minutes of the Board ".....	355 25	
Printing and binding " Annual Reports ".....	1,878 92	\$6,499 97
<i>Advertising.</i>		
Sale of leases.....	\$150 60	
Sale of dumping privileges.....	128 20	278 80
<i>Sundries.</i>		
Lettering Commissioners' rooms.....	\$1 30	
Law books and legislative documents.....	36 00	
Car Fares—		
Messengers.....	129 72	
Collector.....	33 30	
Newspapers.....	97 31	
Postage stamps .....	241 20	
Transcripts of judgments.....	48	
Telegrams.....	1 59	
Ice.....	43 00	
Toilet articles.....	16 20	
Expressage.....	25	600 75
Total.....		\$75,040 95

SUMMARY.

Summary.

New materials, supplies and tools on hand, and accounts in suspense May 1, 1893.....	\$110,502 27
Expenditures audited for year ending April 30, 1894.....	2,798,455 73
Charges for use of Floating Property.....	4,950 24
Total to be accounted for.....	\$2,913,908 24
Expenditures for Construction Account.....	\$1,315,045 63
" Repairs Account.....	193,322 27
" Acquired Wharf Property Account.....	782,265 63
" General Expense Account.....	329,573 61
" Miscellaneous Account.....	12,567 31
" Annual Expense Account.....	75,040 95
New materials, tools, supplies and fabricated concrete blocks on hand; expenditures for receiving and inspecting, etc., materials and supplies, and bills and claims unapportioned at close of year.....	206,092 81
Total accounted for.....	\$2,913,908 24

JAMES WEIR, Apportionment Clerk.



